

THE
GIRL'S OWN TOY-MAKER,
AND BOOK OF RECREATION.

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(AUTHOR OF "THE BOY'S OWN TOY-MAKER," "HOME PASTIME," ETC.)
AND HIS DAUGHTER,
ALICE LANDELLS.

ELEVENTH THOUSAND.

39.744

ILLUSTRATED WITH
UPWARDS OF TWO HUNDRED ENGRAVINGS.

GRIFFITH AND FARRAN,
SUCCESSORS TO NEWBERY AND HARRIS,
CORNER OF ST. PAUL'S CHURCHYARD, LONDON.

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INTRODUCTION.

THE method of teaching by toys has been proved, in our infant and national schools, to be so productive of the best results, that the system has daily become more universal. Our earliest and most lasting impressions are made at home; and the object of this little work is to assist those, who have not the leisure or opportunity of leading the young mind into habits of thought and study, in a way that is most likely to benefit them.

Most mothers know the anxiety and trouble there is to keep children out of mischief and direct their young minds in the right way; for this purpose toys have long been resorted to as an innocent amusement, but these sometimes fail in their purpose, or get soon broken or destroyed, as their value is either not understood or properly felt, and a habit of destructiveness carelessly engendered which may ultimately have a pernicious effect on the future character of the child. But when taught to construct toys for itself, they are more likely to be valued, and the habit of preserving them ought to be carefully encouraged and promoted.

I have endeavoured to make this work of a thoroughly practical character, and with pen and pencil, have made the directions so plain that they may be understood by the youthful mind ; at the same time I have selected such objects as are most likely to prove attractive, not only to children, but to others of maturer years. The child that is properly instructed to make its own doll's clothes, toy-furniture, bedding, &c., will soon take a pride in making them properly, and will thus be acquiring knowledge of the most useful and practical character.

Girls a little older will find much to entertain and amuse them in these pages. Nothing is more becoming than to see a home neatly and tastefully embellished by the handiwork of its inmates ; while the formation of habits of industry and usefulness are not only satisfactory, in enabling young ladies to decorate their own homes by employing their leisure hours profitably, but also in furnishing the means of making suitable presents to their friends, or of having the pleasing gratification of adding by their skill to the funds of some charitable or benevolent institution.

The plan and designs for the work are quite original, and I have been greatly assisted in it by my daughter, MISS ALICE LANDELLS. The directions and

illustrations for dressing dolls, furnishing houses, &c. as well as many of the more ornamental toys, are entirely her own production; and the way she has executed that part of the work will no doubt be appreciated, for its general utility and completeness. My earnest desire has been to make it practical in all respects, and the labour has been cheered and lightened whilst feeling that this little book might become the medium of instilling into the young, habits that would lay the foundation of usefulness in after life.

November, 1859.

E. LANDELLS.

PREFACE TO THE SECOND EDITION.

THE present edition has been carefully revised, and this opportunity is taken of gratefully acknowledging the flattering manner in which the book has been received, both by the public and the press.

A large edition having been sold in a few months is another pleasing testimonial to the utility and merit of the little work.

London, March, 1860.

E. L.

GENERAL DIRECTIONS.

BEFORE commencing to make any of the numerous pretty toys contained in the following pages, a few general hints may be necessary, not only respecting the materials to be used, but how to use them. Mammas will not like their rooms littered, and it is just as easy to prevent it. Cuttings of any kind ought always to be made on a small tray, or something of the sort, where they can be kept together.

Many very neat little toys may be cut out of common white paper ; it is useful in practising both the hand and the eye in handling the scissors. Cardboard will also be found extremely convenient in making almost anything in toy-furniture and decoration ; but, in addition to this, a small cutting-board, made of rather hard wood, should be provided, a strong, sharp pointed penknife, and flat ruler. Compasses, box of colours, and a black-lead pencil, will be required for the more finished works. Some gum, dissolved in warm water, is also necessary, or a small bottle of adhesive mucilage may be purchased, together with a brush, which is extremely clean and convenient for fixing the various parts together. Where any wood-work is used, a little glue dissolved, in hot water, will be found to be the best.

We have endeavoured to give such objects as can be made in a very inexpensive manner, and have now enumerated all that is necessary in tools and materials to make a perfect toy-house establishment.

THE GIRL'S OWN TOY-MAKER.

Paper Toys.

GIRLS need never be in want of toys ; a very little practice and ingenuity will soon enable them to make their own ; and in doing so they will not only find amusement, but useful information. After a short time, they will not only be enabled to entertain their juvenile companions, but will have the satisfaction of making agreeable presents to their friends, as well as contributing to the embellishment of their own homes. An endless variety of toys, and household ornaments may be made out of paper, by the use of the scissors only, and with the assistance of a penknife, and a little gum dissolved in water, or paste, they can make almost anything they may require.

We propose giving illustrations of some of the most simple figures at first. As a general rule it will be necessary to observe, where the patterns require *folding* to be cut, the paper should be *thin*, but for making single objects, such as houses, &c., it would be better stouter.

DANCING DOLLS.

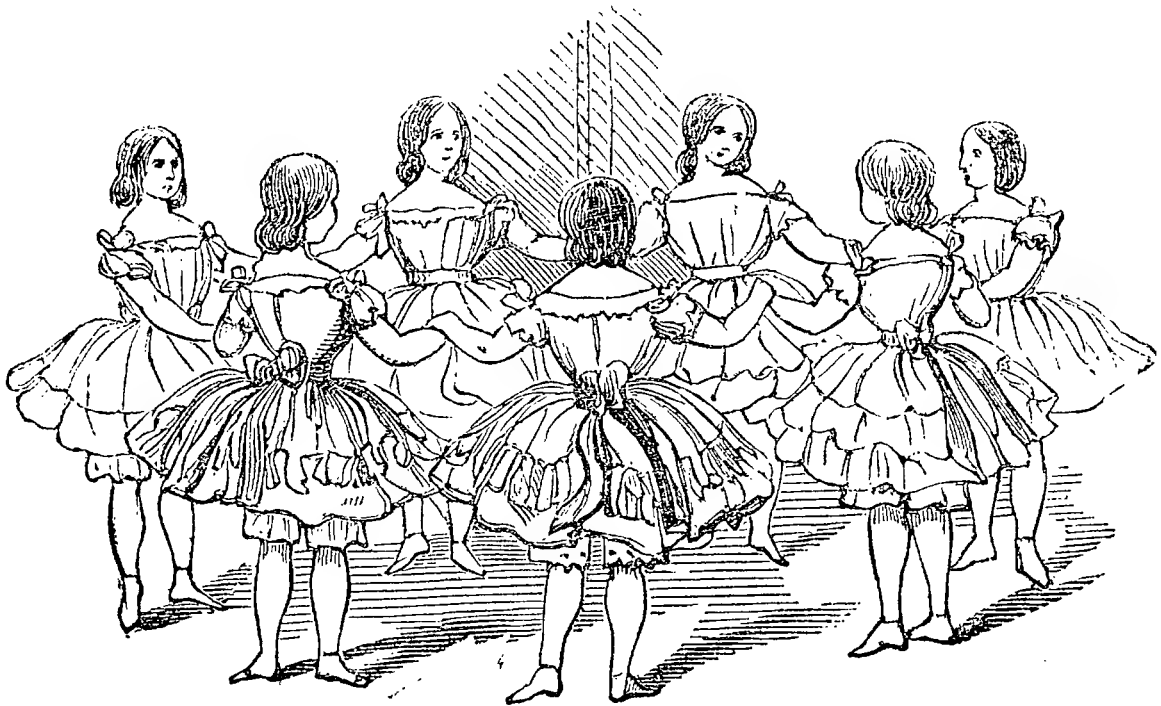


FIG. 1.

To the young beginner this is a very easy pattern to commence and practice upon. If our young pupils have any difficulty in cutting out by the eye, without drawing, they can procure a sheet of tracing paper; by placing this upon the object and going over the outline with a soft black-lead pencil, then reversing the tracing and placing the pencil lines upon the paper you wish to cut out, and going over the back of the same lines with a sharp-pointed pencil, the outline of

the pattern will be clearly marked out. But it is much better to attempt and cut out the subject without drawing at all, as practising both the eye and the hand at the same time.

Take a piece of thin writing paper, and fold it four or five times; double the same again and cut out the half (fig. 2). When opened out they will make fig. 3; and, by cutting out two sets of four or five each, and fixing the hands together with a little gum, they can be made to form the circle as in fig. 1.

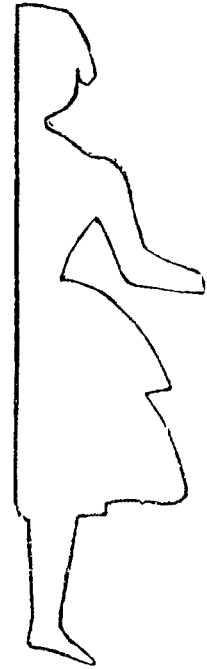


FIG. 2.

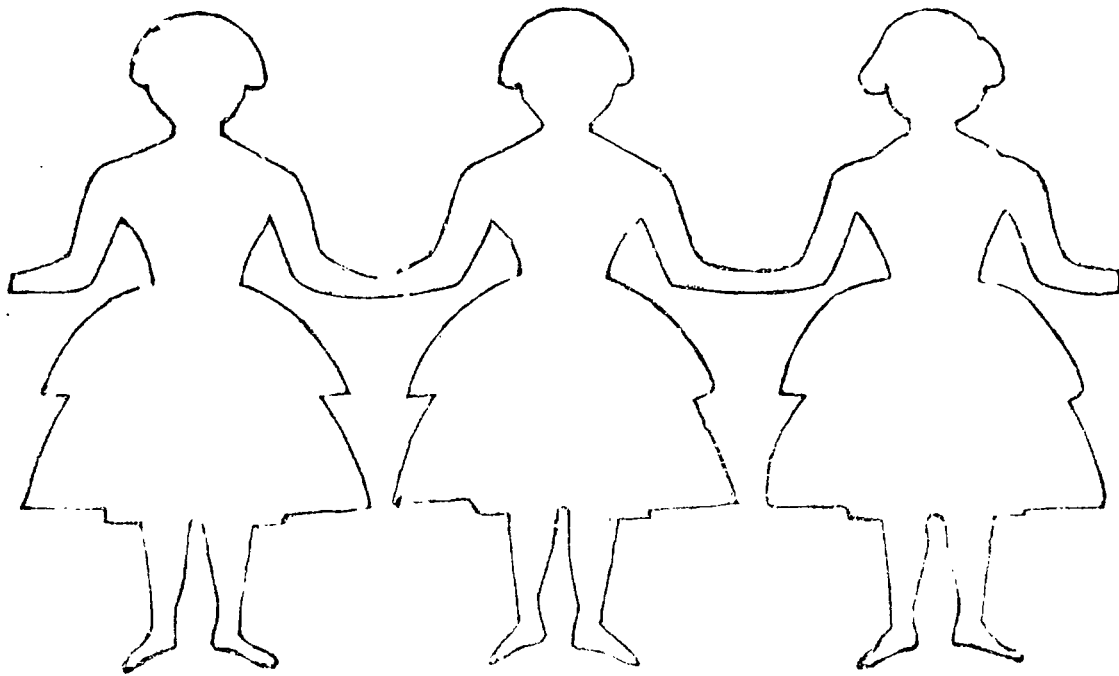


FIG. 3.

HOUSE.

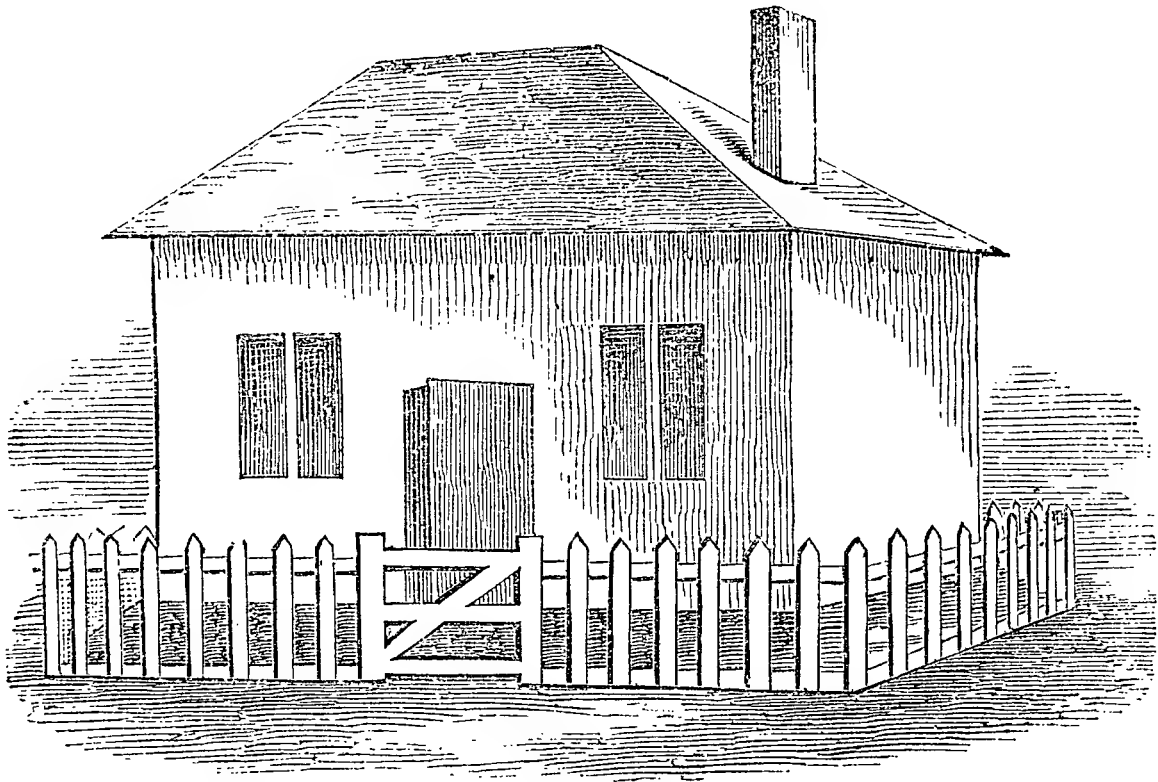


FIG. 1.

HAVING procured a clean sheet of writing or drawing paper, the stiffer the better if you make your house on a large scale; but for the purpose of illustration it will be necessary to keep every part in proportion to the whole. Cut out with your scissors the form of fig. 2, double the size of diagram. The windows may be cut out with a penknife, and also the three black lines in the door, doubling the dotted line to open it. Fig. 2 forms the *front, back, and sides* of the house; bending the paper at the

dotted lines on the inside for the support of the house; take a little gum or paste and join together by the slip at the end; cut out a piece of paper half as large again, in proportion to the back, front, and sides of your house, for a stand, and fix with gum the end pieces to the foundation.

The Roof (fig. 3). Cut out a

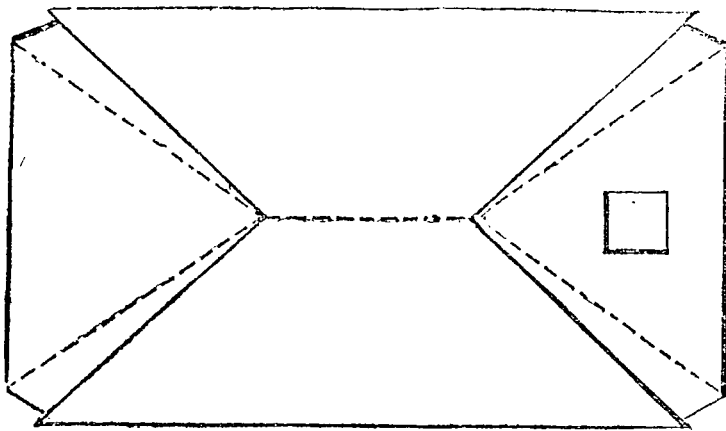


FIG. 3.

piece of paper the outside form, also double the size of the pattern, and with a penknife cut through the black lines, and bend over the dotted one at each end. Having previously cut out the hole for the chimney, gum or paste the ends on to the inside of the front and back

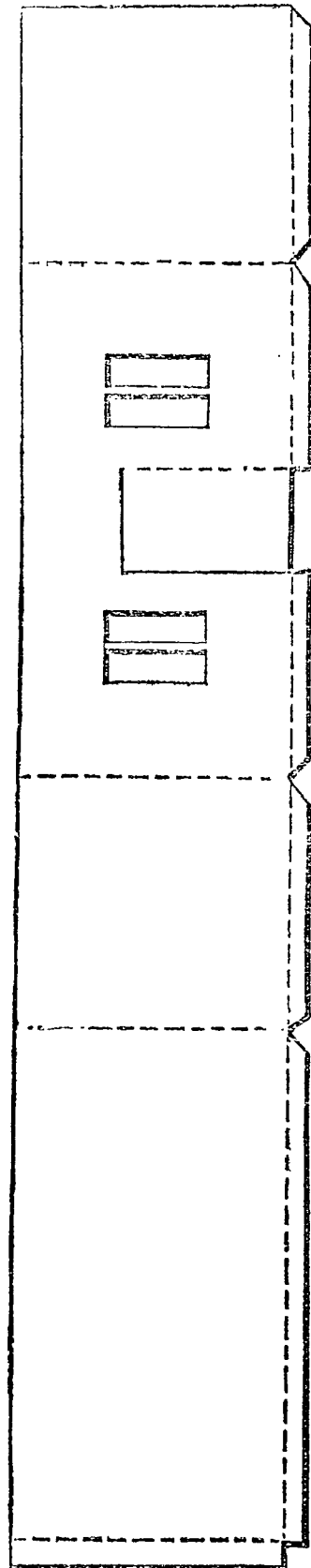


FIG. 2.

of the top, and bending over the dotted line in the centre, your roof will form into the proper shape.

The Chimney (fig. 4). Cut out the outside form of the figure, and also double the size of pattern ; bend over at the dotted lines for the square, gum or paste the remaining end, paste on to the inside of the

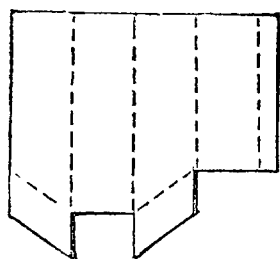


FIG. 4. square, and when dry put it through the hole in the roof, and turn over the ends, and fix them to the inside of the top. Now place the roof on the front, back, and sides, which you have already constructed, and you will have a very pretty little toy-house. But to make the whole more complete, if you wish to take a little more time about it, you can easily form a railing and little gate around your cottage, which you will find will be well worth the extra trouble, as it will make your house more finished and perfect.

The Railings (fig. 5). Cut out two slips of paper

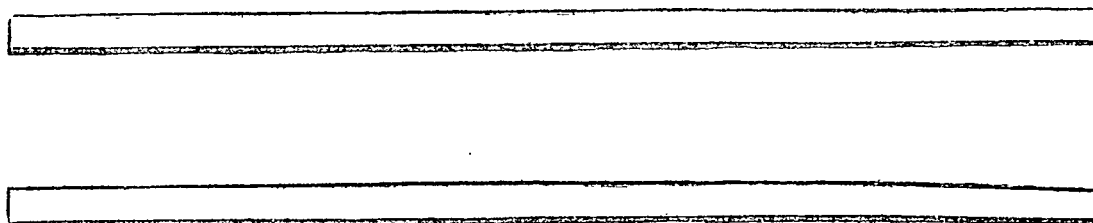


FIG. 5.

the length you may require to go round your cottage,

and the same distance apart as in the pattern, and then cut out a number of smaller ones, of the shape and size of fig. 6; take care to keep them all of one size, and then with a little gum or paste fix on near the end of fig. 5, and at equal distances (fig. 7).



FIG. 6.

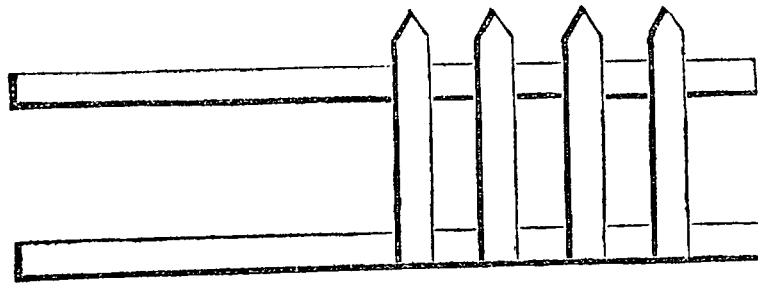


FIG. 7.

When you have finished you can fix them to the ground and the rail by small pieces of paper and gum on the inside.

The Gate (fig. 8). This is made in the same manner as the rails, and may be done the same size as the figure. When completed it may be fixed by gumming two very small pieces of paper to act as hinges; and your house and its enclosure will be complete.

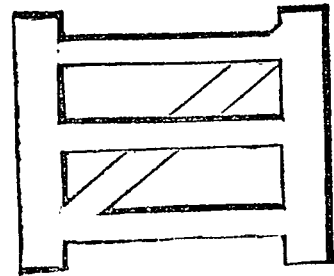


FIG. 8.

TABLE.

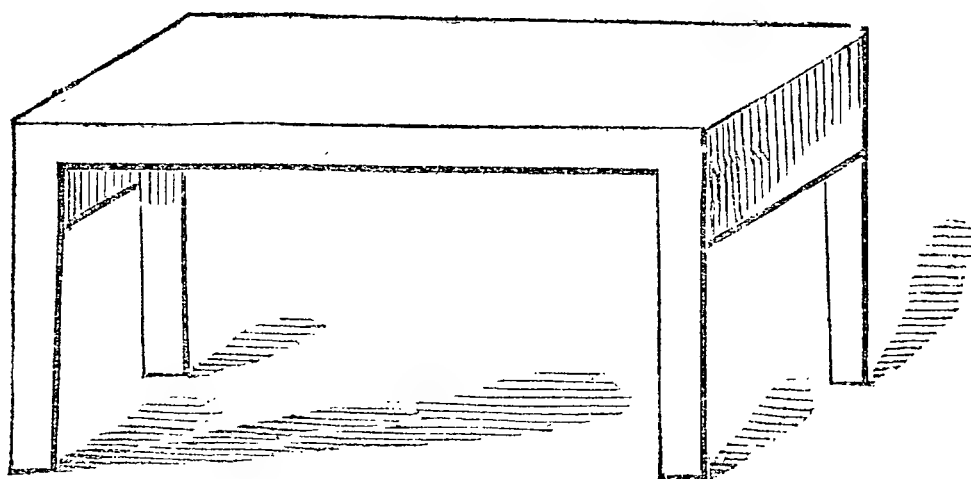


FIG. 1.

CUT out with your scissors the pattern of fig. 2;

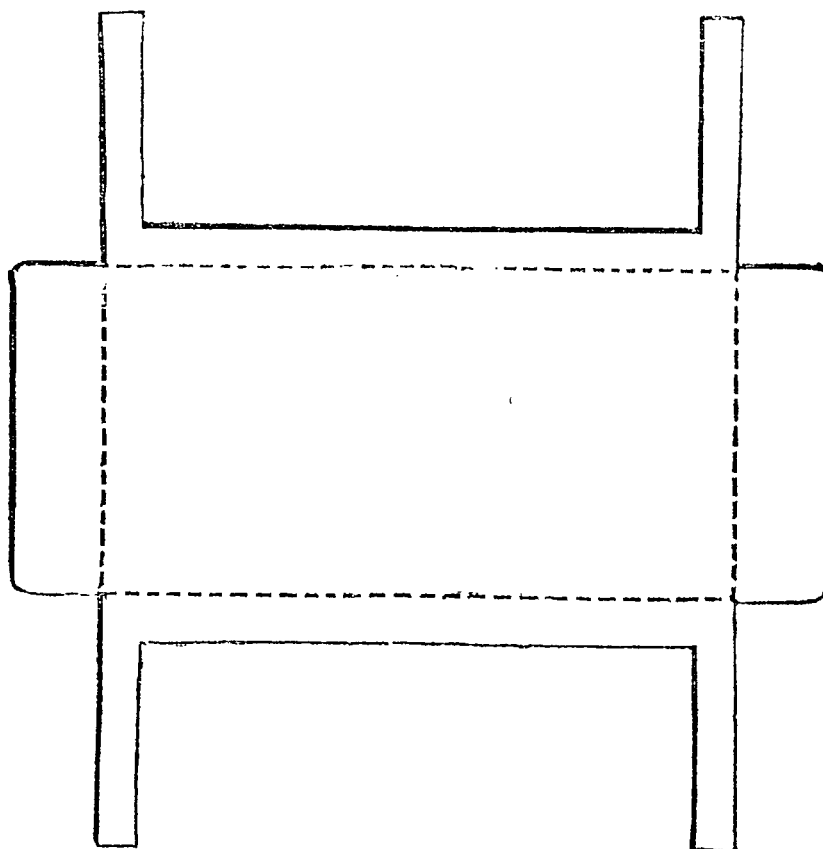


FIG. 2.

bend downwards all the dotted lines, and you will have a perfect table.

CHAIR.

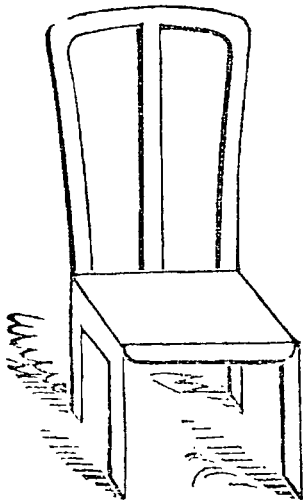


FIG. 1.

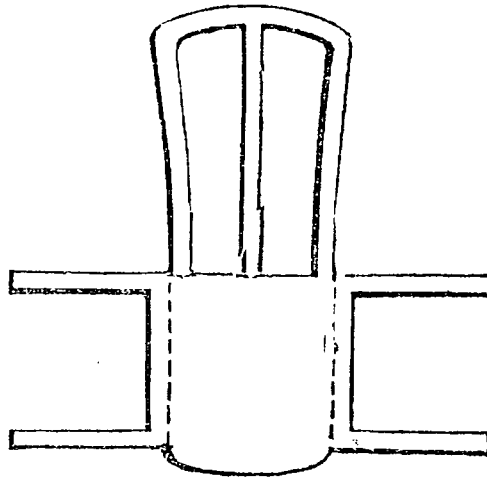


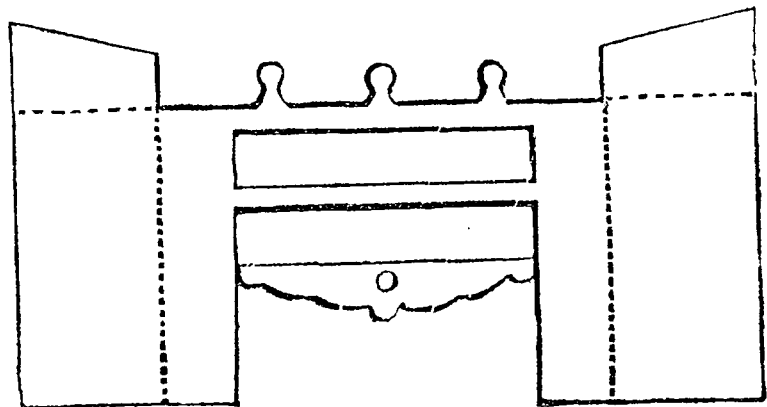
FIG. 2.

CUT out the outer form of the diagram (fig. 2), and in between the back rails with a penknife; bend downwards the sides and legs, and turn

the back upwards to form the chair, fig. 1

FIRE-PLACE.

CUT out of a piece of stiff paper the shape of the annexed diagram, the inside portions with a penknife; to form the sides double over from the dotted lines, and from the top dotted lines downwards.



BED.

TAKE a clean stiff piece of white paper, and cut out with your scissors the form of fig. 2; double over for sides and legs the dotted lines downwards, and for the back upwards at the dotted lines, and for the canopy at the top, double inwards the dotted lines, and it will form the bed, fig. 1.

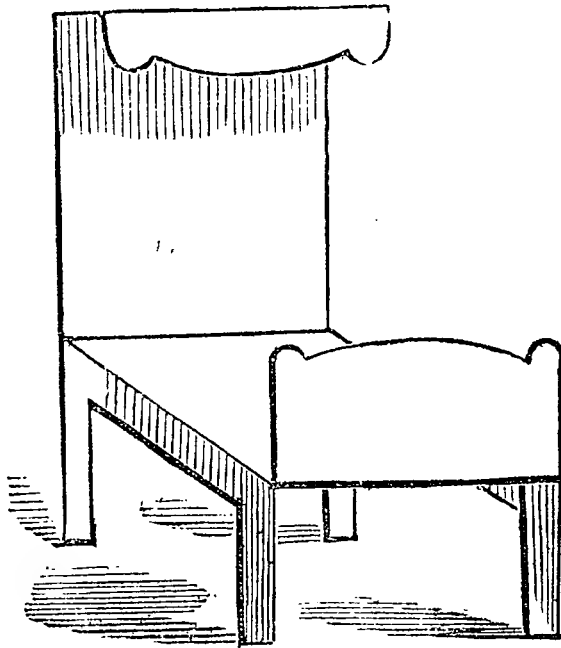


FIG. 1.

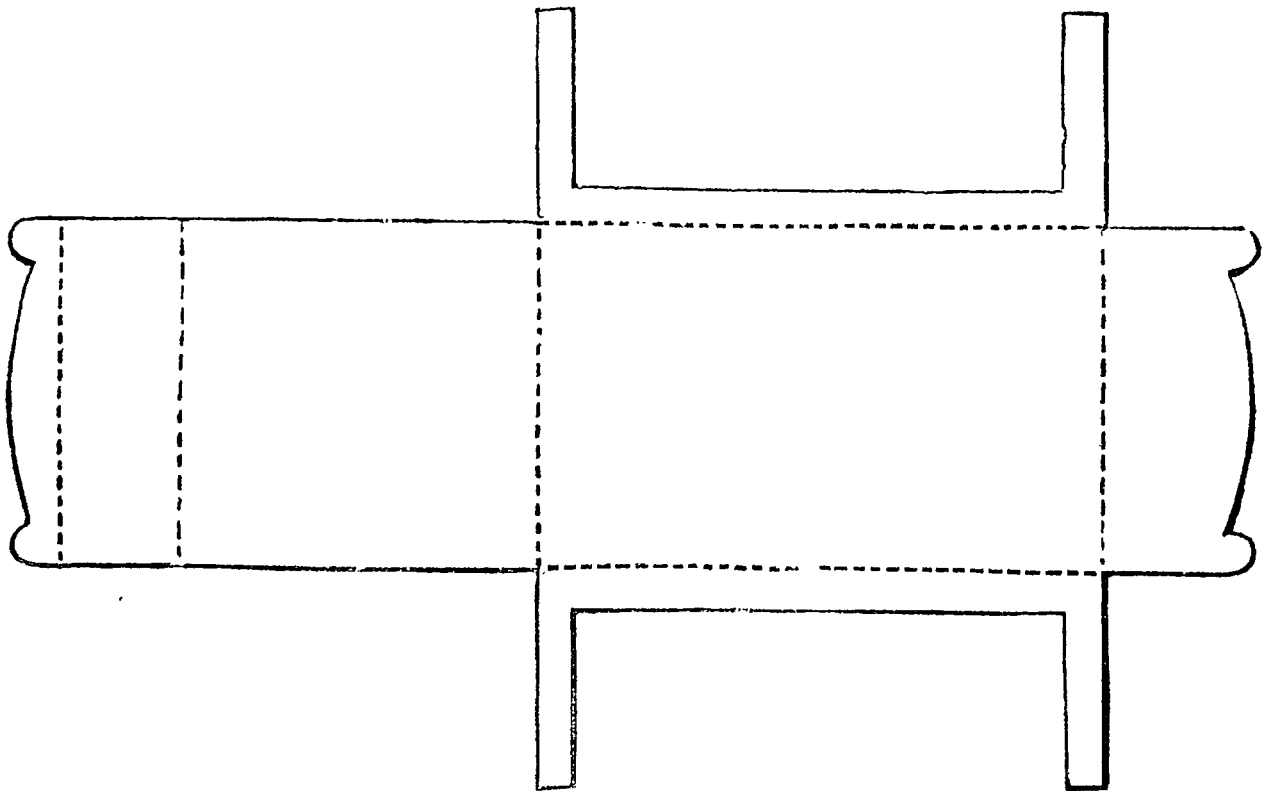


FIG. 2.

PAPER CUTTINGS.

By folding thin sheets of paper together from two to four or five times, every variety of design may be invented and cut out. In coloured papers they look

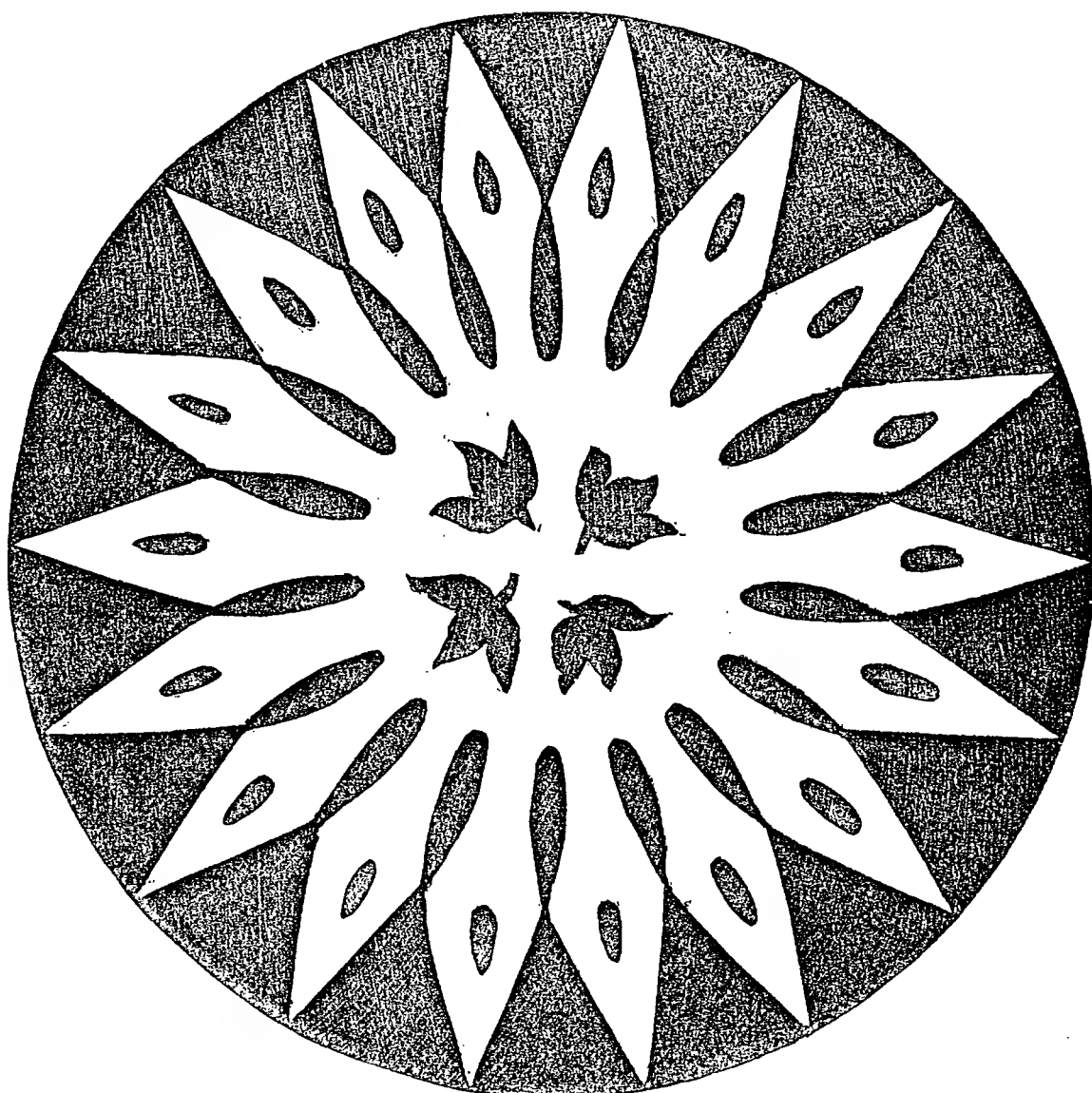


FIG. 1.

extremely pretty It is not only useful in acquiring a

steady and correct hand, but it is an excellent plan for exercising the inventive faculties.

To produce the preceding pattern (fig. 1) fold a piece of thin paper four times, and the pattern, fig. 2,

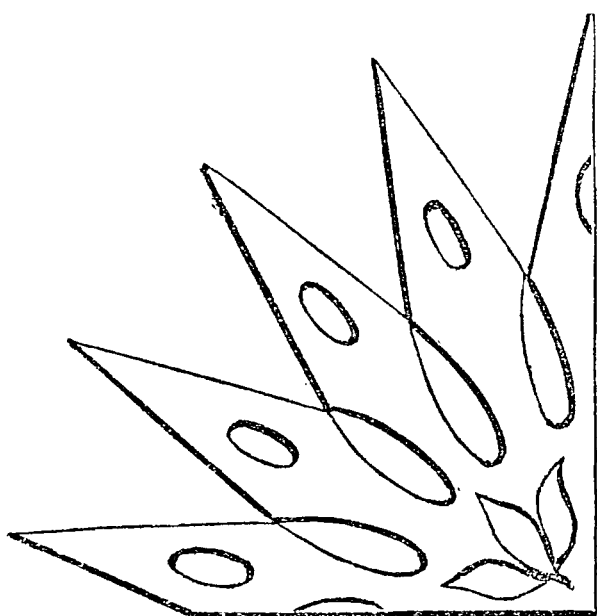


FIG. 2.

may be drawn, which will insure more correctness, but for practising both the eye and the hand the better way is to try and do it without drawing. When cut out as fig. 2, and opened out, it will make the pattern fig. 1. By cutting out a round hole in the centre, and bending

over the ends carefully, it will make a pretty ornament for a candlestick, but for this purpose it should be about one-third larger than the annexed pattern, and in coloured paper.

FENDER.



Cut out the form of this figure; perforate the holes with the point of a pin, and bend over the ends from the dotted lines, to form the fender.

FIRE-APRON.

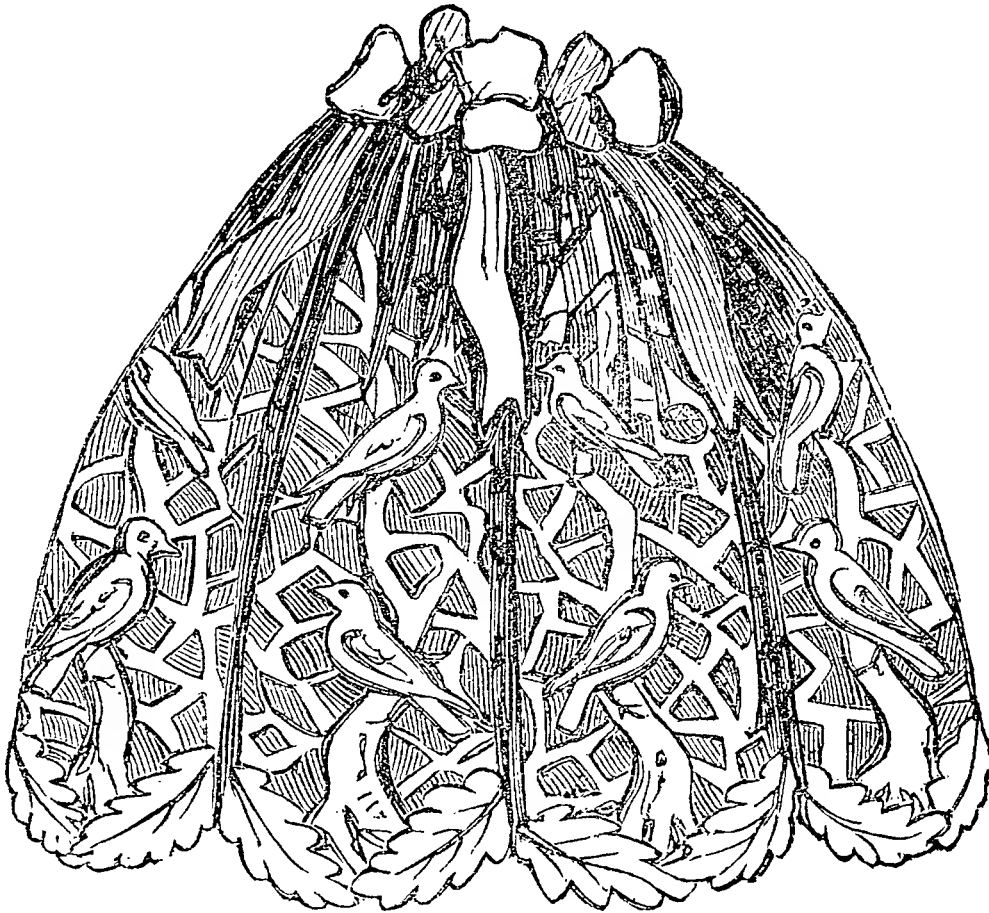


FIG. 1.

TAKE two sheets of white tissue paper, paste them together at the sides to make them the proper size (a quarter of an inch will be quite enough); when dry, double them four times, and draw on them the pattern you require. A vase of flowers makes a very good pattern; but for practice, the following design (fig. 2) will make a good one to begin with. Having drawn an outline of the tree, birds, &c., take a pair of

fine-pointed scissors, and cut out carefully all the shaded

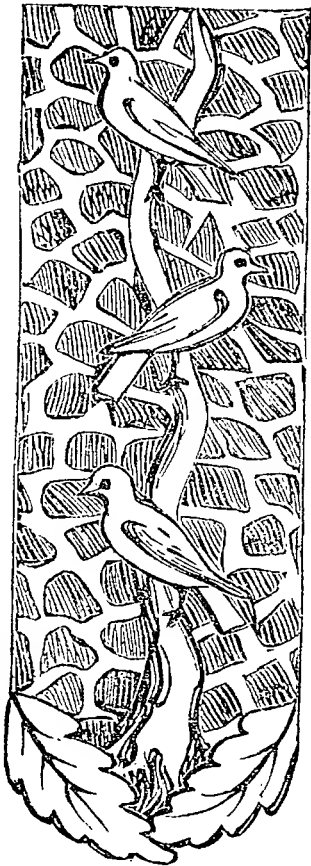


FIG. 2.

parts, the birds, tree, &c., being left only with small fine cuttings, to indicate the marking of the wings, and the bark of the tree. The eyes of the birds may be pricked out with a pin. When you have finished the inside, cut out the leaves at the bottom; and when all the cutting out is complete, procure two sheets of pink paper, the same size as the white you have used, and paste the two sides together in the same way as you did the white; when dry, take a needle and thread, run the top of the white paper, gather it together, and draw it up to

the shape of fig. 1; then cut up some strips of pink and white paper, about an inch in width, and the length of the sheet of paper, forming them into bows and streamers, and putting them on the top of the apron,—forming them so as the pink and white come alternately; this will give finish to the whole and have a very pretty effect.

Instead of bows and ends, paper roses may be used for the top (the directions for making these will be found at page 23). Shavings which are sold for the

purpose being placed in the fire-stove, the apron must be tastefully adjusted over them, the top being fixed to the upper portion of the inside of the fire-stove.

MAT.

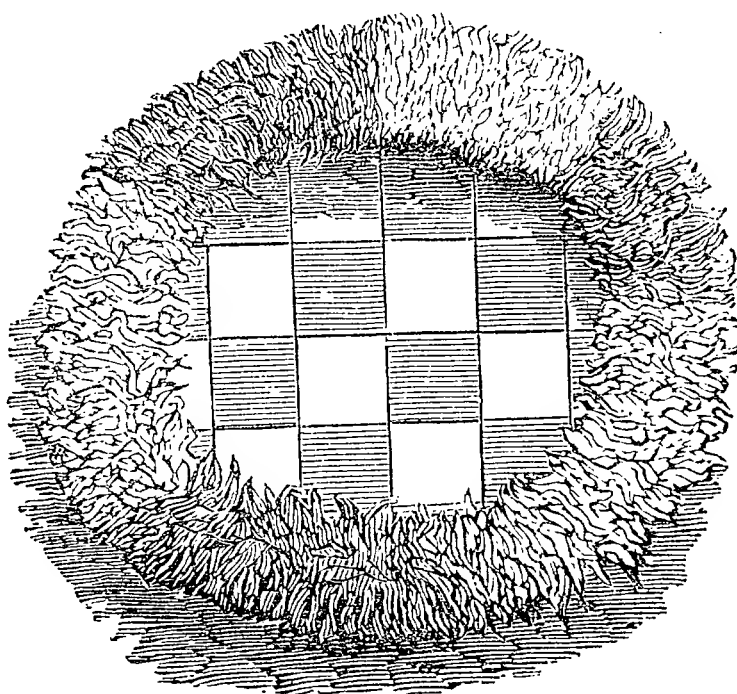


FIG. 1.

HAVING procured two sheets of tissue paper, one white and the other pink or orange, or any other colour you may prefer; double the white sheet of paper at *a* (fig. 2), then again at *b*, and again at *c*—this will make eight separate pieces of paper; cut the ends, and take two of these at a time and double them lengthways into slips about an inch wide. When you have folded the four in the same manner, you must do

exactly the same in all respects with the pink or

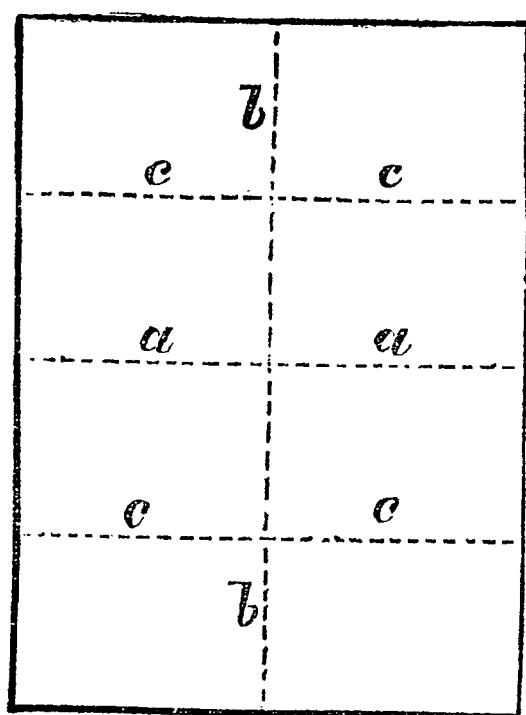


FIG. 2.

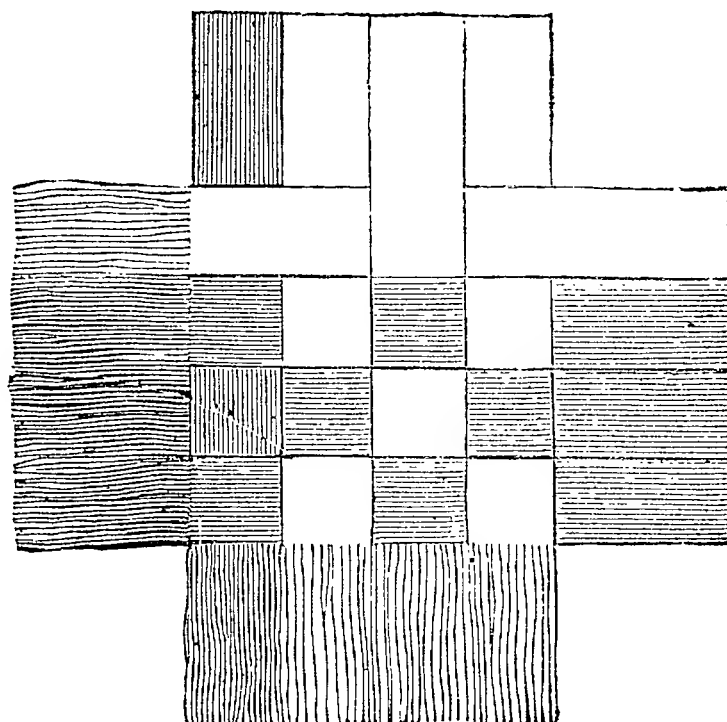


FIG. 3.

coloured sheet. Afterwards plait the centre into a square of four each way, alternating the pink and white (fig. 3); fix the plaits together neatly at each corner with a needle and thread, and the remaining ends are then cut into fine strips, being previously

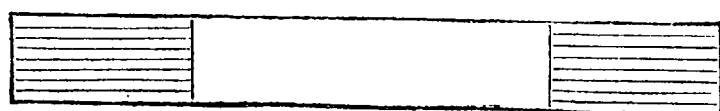
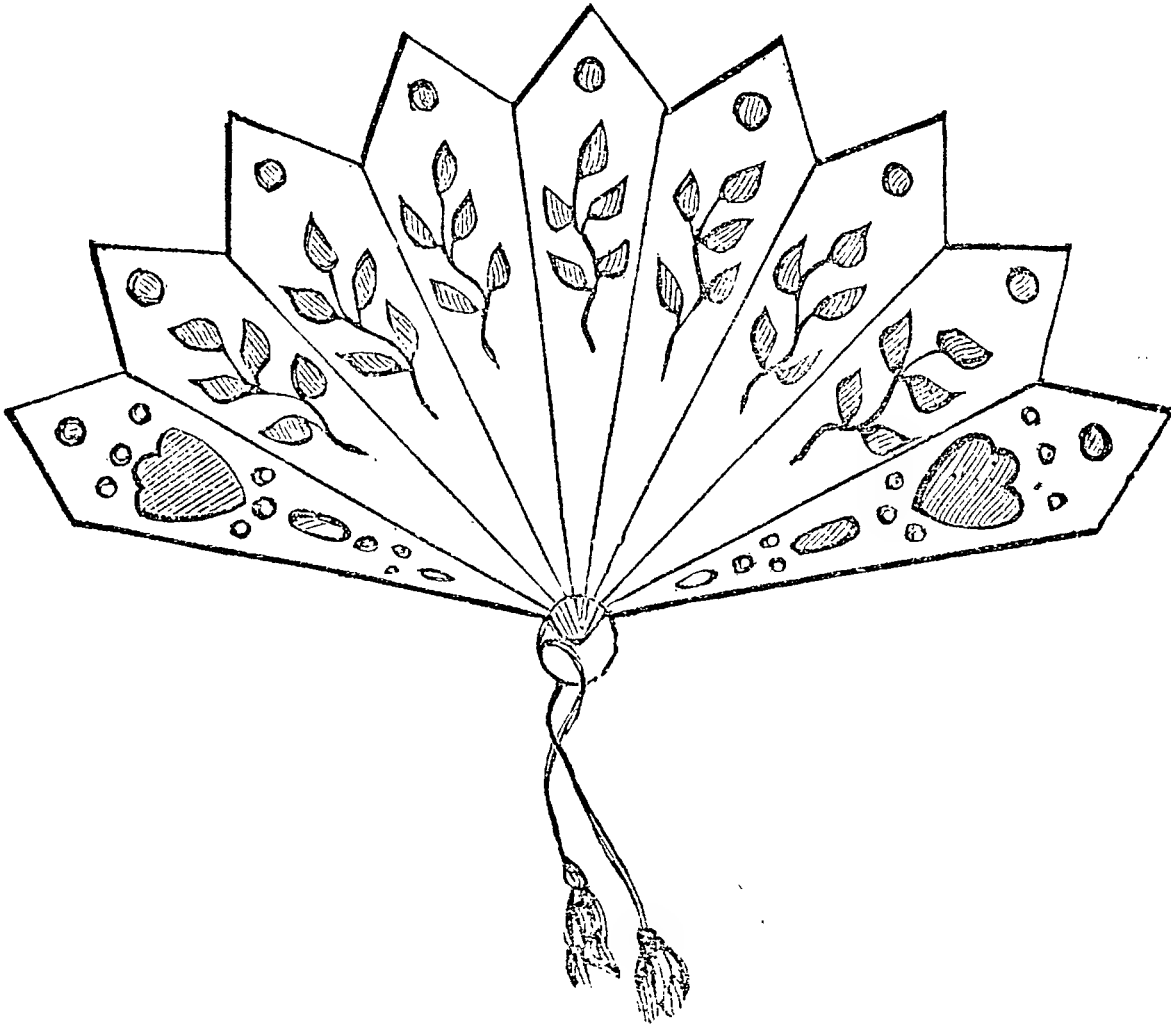


FIG. 4.

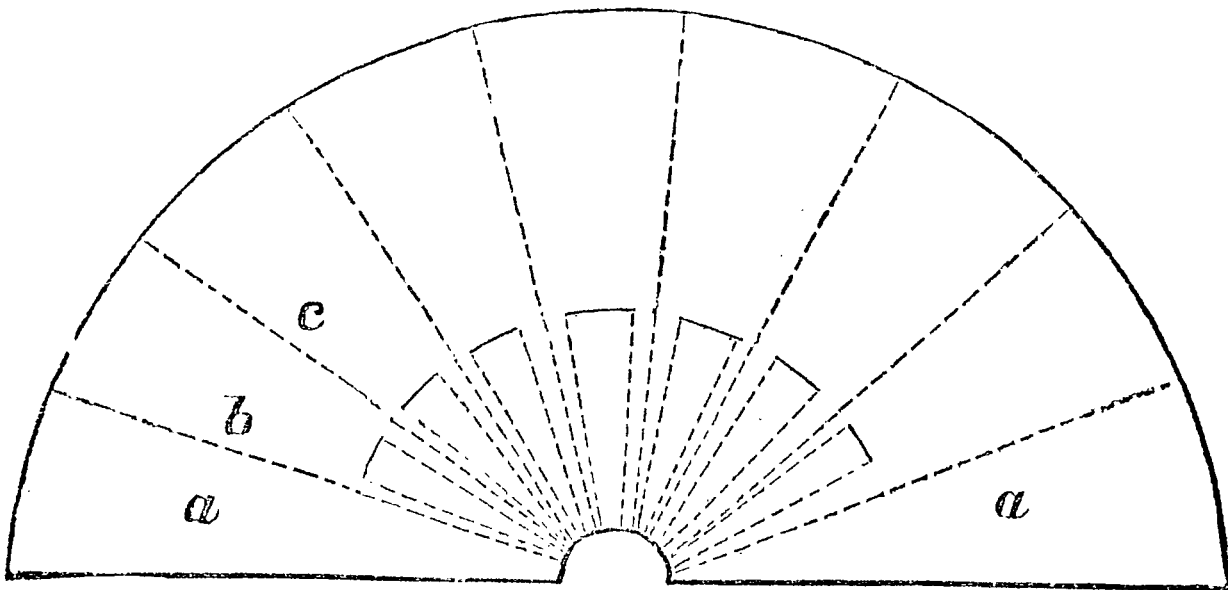
separated with a pen-knife as in fig. 4; when all cut round, the edges

being rubbed between your hands will twist and form into a border in patches of pink and white; pick it out and form it into a circle, and you will have a pretty, useful paper mat.

FAN



TAKE a sheet of clean white writing paper, and cut



out two half circles (fig. 2); then cut out seven thin strips

c

of cardboard (fig. 3), and paste them on to the inner half circle (fig. 2); paste the other half circle over the whole, and allow it to dry; bend over, right and left, the various segments of the half circle (fig. 2) into an unequal number, as 9, 11, or 15; then fold into the form of fig. 4, draw on it the pattern you require, and cut through the whole with a sharp-pointed penknife, and when opened out you will have a very nice fan. But if you wish to have it more finished and complete, cut out two pieces of cardboard the shape of fig. 4, and carve upon them a more elaborate design, or paint them in colours; they must be afterwards carefully pasted on to the two outside portions, fig. 2 *a*; these will give great strength to your fan. Prick a small hole through the bottom of each, through which pass a small piece of small silk wire, and bend it round under the curve; fasten the wire neatly with a needle and thread, and from it suspend a small cord and tassel, which will give a finish, and look extremely pretty.



FIG. 3.

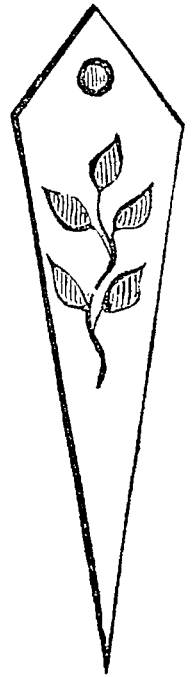


FIG 4.

FLY-CATCHER.

CUT two pieces of stiff light blue paper, eight inches long by six and a half wide ; then cut two strips of pink or green glazed paper the same length, and about three quarters of an inch wide ; double these length-ways, and gum or paste them on to the two ends of fig. 2, and when they are dry fold them in strips as in the

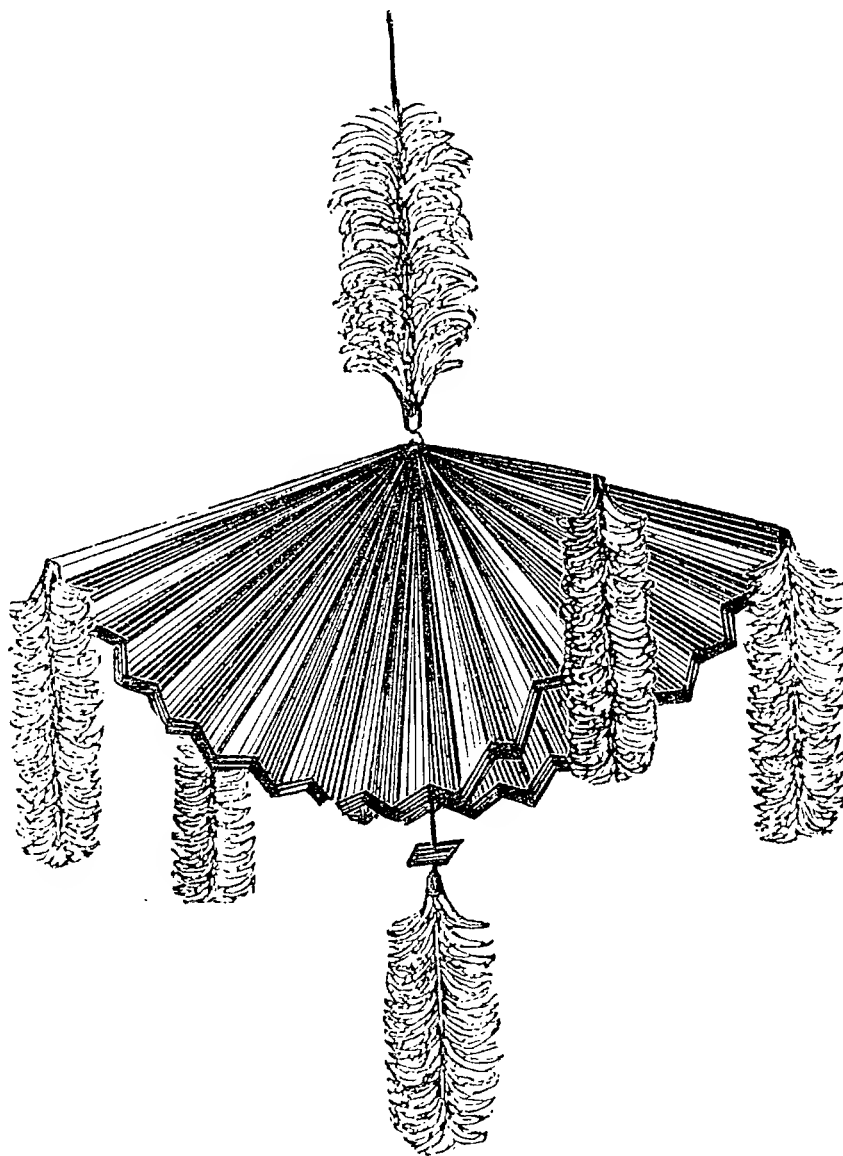


FIG. 1.

dotted lines fig. 2, right and left ; then nip the centres

together, and open them out in the shape of a fan,

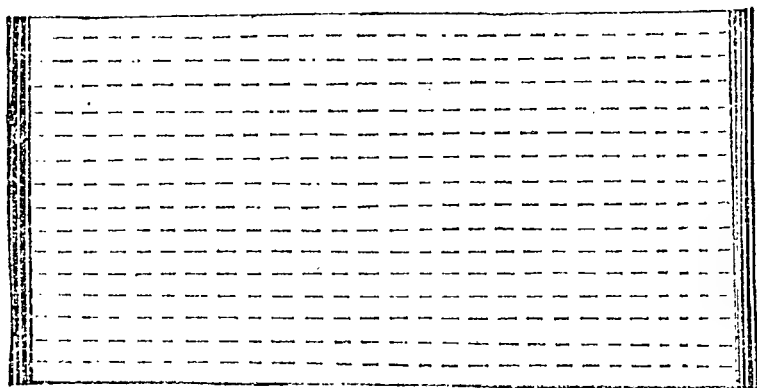


FIG. 2.

tack the upper two corners together with a needle and thread (fig. 3), and fix the second folded piece across the first in the centre,

and also tack the open corners together, and the inside will be complete. For the tassels at the corner,

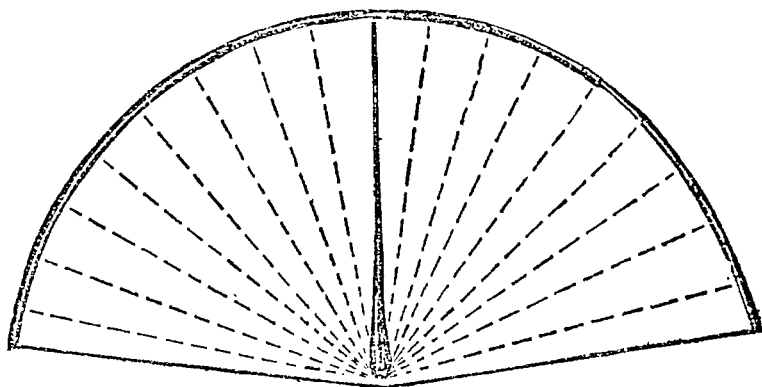


FIG. 3.

double a piece of light blue paper eight inches long by three inches broad, and cut out in the form of

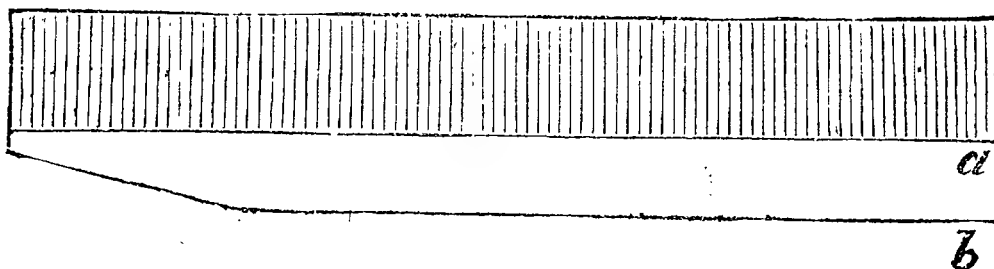


FIG. 4.

fig. 4, the folded ends; when opened out, cut a long

strip of pink or green glazed paper, ten inches in length, and not quite an inch and a half in width; tack one end to the inside of fig. 4 at *a*, then twist it round, beginning at the corner *b*, go on with the glazed paper, and fasten it at the bottom; the edges being pulled out a little, your tassel will be complete (fig. 5). You will require six of these—one for each of the four corners, one for the bottom, and one for the top, which must have a piece of strong thread to hang it up by. They can all be attached to the inside by a needle and thread.

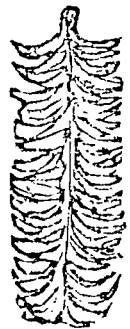


FIG. 5.

SCREEN.

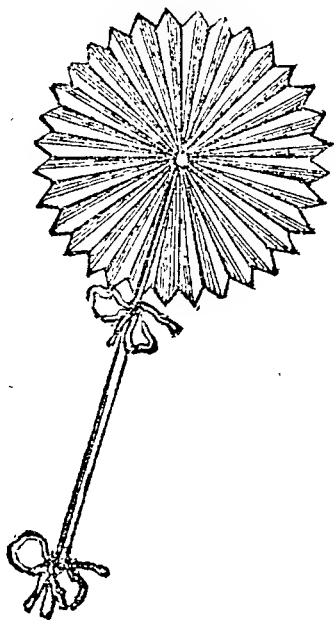


FIG. 1.

HAVING procured two sheets of fancy paper, coloured on both sides, cut them into four, and paste them neatly into one long strip (fig. 2). Bind one edge neatly with gold paper; crimp it in small plaits, and sew the unbound edges together. A gilt star or any other ornament will give a finish to the centre. Handles of all descriptions can be purchased at any fancy stationer's, and having procured one you

can fix it with a little gum, covering the part where it

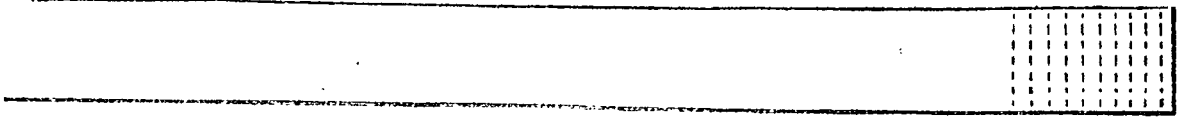


FIG. 4.

is joined to give it strength. The handle at the back part should be neatly and firmly fastened down on each side of it with paper of the same colour.

FLOWERS.

ALL kinds of flowers can be imitated in paper, par-

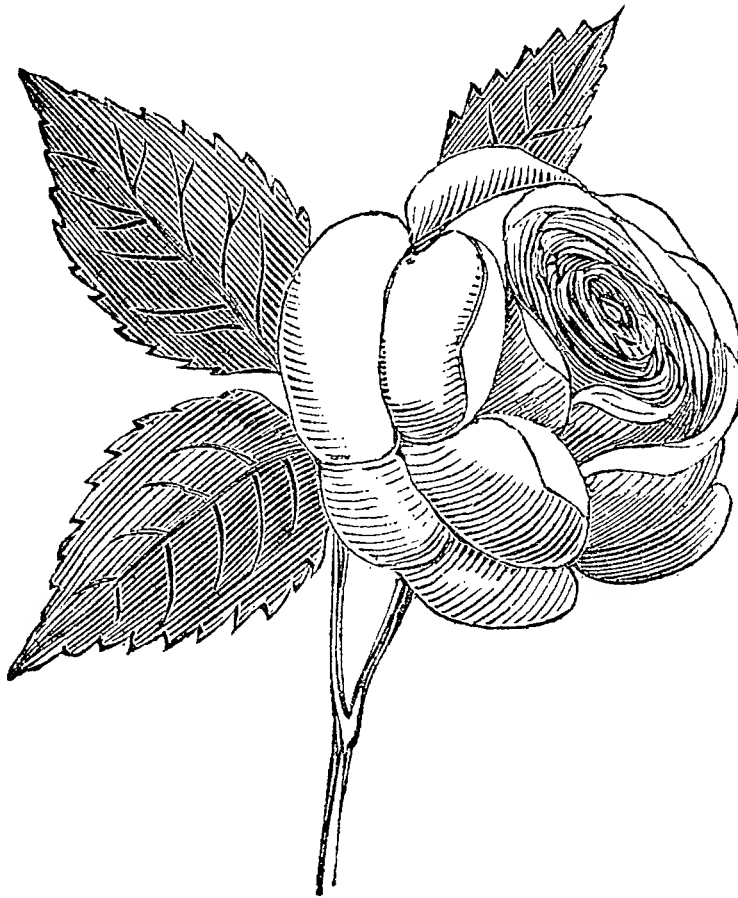


FIG. 1.

ticularly with the assistance of a little wire, &c.; by colouring the various portions the effect of the real flower is obtained. It would take up too much of our space to describe the separate flowers, but in making the white rose (fig. 1), the same plan may be carried out, only of course varying the different leaves, &c. They

make beautiful objects for festive decorations, and their study will lead to the contemplation of some of the most lovely and beautiful objects in nature.

To make a paper rose, cut out of white tissue paper, lengthways, a slip about an inch and a half in width, fold it five times, and cut out the shape of fig. 2 ; then take a piece of wire, and cover it by twisting a strip of green tissue paper about half an inch in width, and as long as you require it to cover the stem ; open out fig. 2, cover the upper end of the stem ; with a piece of white paper, to hide the end of the green, and it will assist as a centre for you to twist the leaves upon. Before you proceed

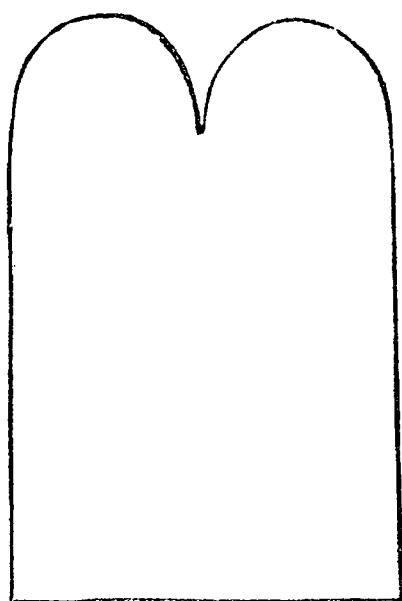


FIG. 2.

to fix it on the stem or wire, take the strip of leaves in your left hand, and a penknife in your right, and drag the edge of the knife sharply towards the upper portion of the leaves, which will cause them to curl over a little at the ends (*see* fig. 1). Take the stem or wire in your left hand, and twist the slip fig. 2 round about the top, and as you increase the figure of the rose, gradually pucker them in at the straight portion of the leaf to cause the outer sides to expand.

When you have twisted it enough to form the inside portion of the rose, cut the same fig. 2 a little larger, double it four times for the outer leaves, and twist them round in the same manner, doing the same operation with the penknife to make the ends curl over. When complete, hold it firmly in your left hand and get some one to tie a piece of strong thread round the whole of the bottom of the leaves, and shape it altogether, to make the form as perfect as possible. Then cut out of a piece of green paper the leaves of

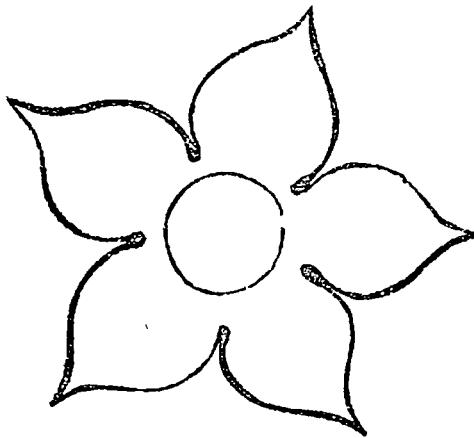


FIG. 3.

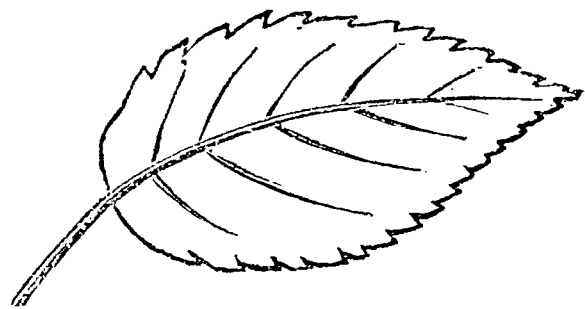


FIG. 4.

the cup out of which the rose grows (fig. 3), and the bulb may be afterwards added by twisting pieces of paper round the thicker portion. The leaves must be cut out to the form of fig. 4 in green glazed paper, and the wire being covered with green tissue paper, it is gummed neatly on to the back of the centre of the leaf. The fibres can be painted on in imitation of nature, and as many leaves added as you may require.

BOOK-MARKER.

To make this book-marker, any small pieces of coloured papers will do.

Pink glazed paper is however the best, and as it requires two of the same pattern, the other may be gilt paper. Take a piece of your paper, double it to

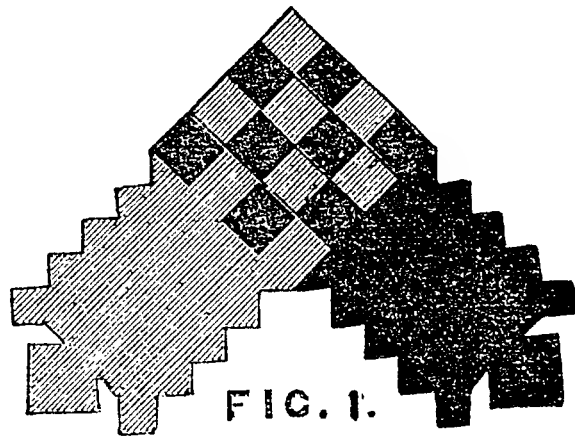


FIG. 1.

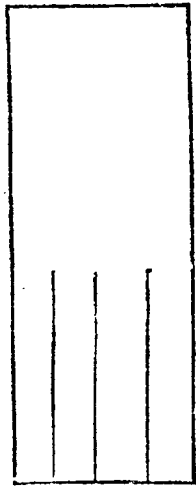


FIG. 2.

the proportion of fig. 2, being an inch and a quarter in width, and two inches and a quarter in length when doubled, and cut down the four strips.

Having cut the one out of each of your coloured papers, put *a* inside of *b* over *c* and again into *d* and over *e*; reverse the checks with the other colour in the same

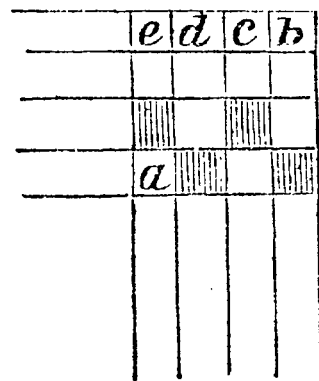


FIG. 3.

manner, and cut out the ends to form fig. 1; when opened out and placed on the corner of a leaf of a book you will find it a neat and useful book-marker

Cardboard Toys.

CARDBOARD is even more useful than paper in the making of toys and various ornaments for household embellishment, &c. Houses, churches, domestic furniture, figures, animals, and almost anything can be imitated in cardboard; and when done neatly, very pretty designs can be formed out of it. We propose giving several examples to lead the pupil on, but after a little practice we strongly recommend our young friends to try and invent subjects of their own; it will agreeably exercise their talents, not only in the art of design, but construction and combination, and a practical knowledge of the uses of many things which might not otherwise come under their observation, but which are highly necessary to be acquainted with, as in after life the knowledge of such common things may be a great benefit. At the present time we hope our instructions will afford agreeable as well as profitable pastime and amusement.

A PYRAMID OF CARDS.

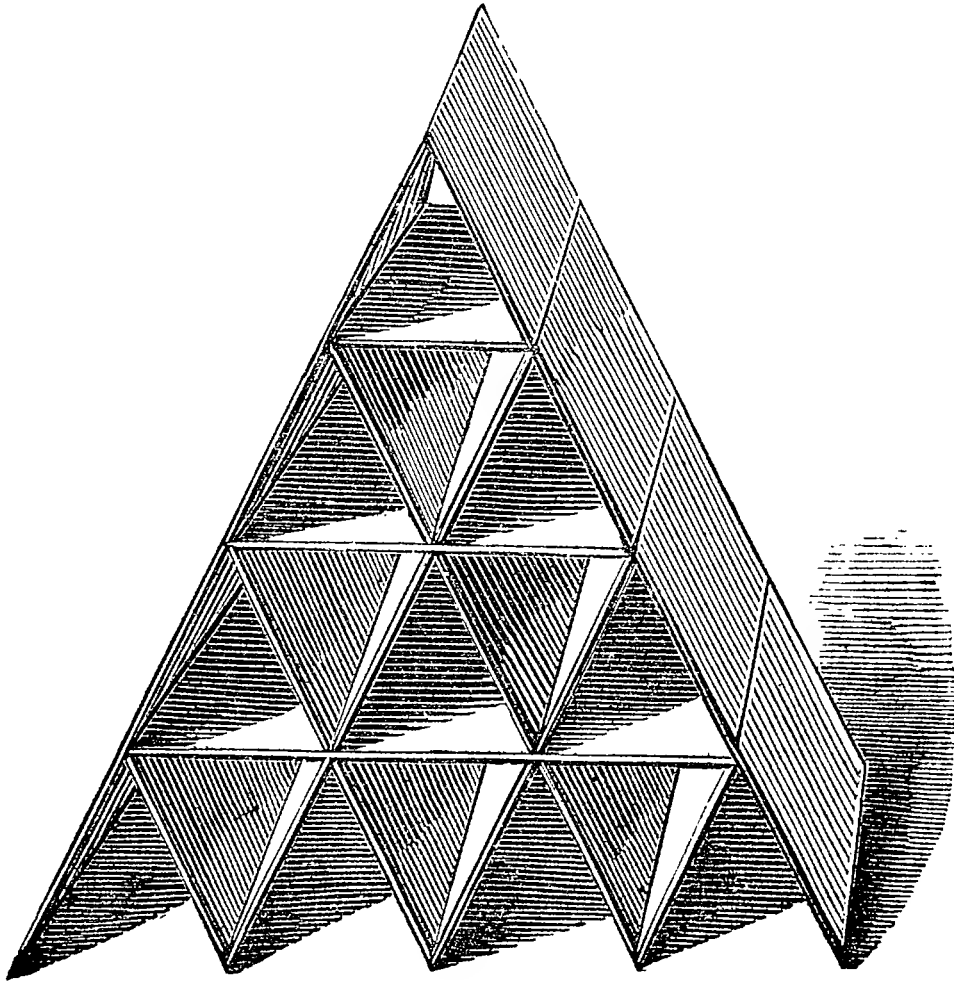


FIG. 1.

THIS is merely a combination of common cards, so placed together in a series of triangular shapes as to form one larger triangle or pyramid, and when completed makes a very pretty geometrical figure.

Three straight lines are the fewest that can enclose space, and thereby produce a figure; this you can do by placing two cards together like a tent,

touching at the top (fig. 2); the table or stand making the

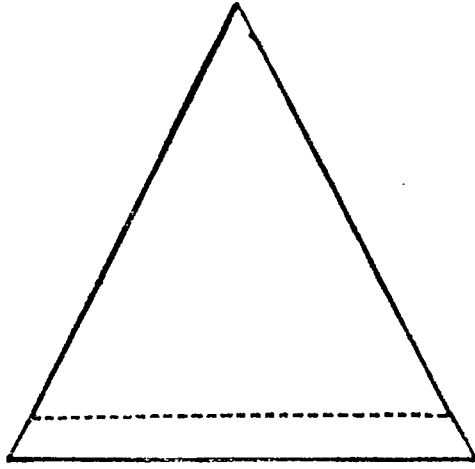


FIG 2.

ground, or third line ; place four of these close to each other, and exactly at the same angles ; upon the top of all of them lay cards flat to make a new floor, on these again place three more of the same forms ; then make another floor of cards laid flat, and put

two more angular-shaped forms ; then another floor, and one more of the first form, and you have a pretty and correct pyramid as fig. 1.

Common cards can also be put together in the form of houses, fences, &c., but they are so simple that they will suggest themselves to the minds of almost everyone with a little practice.

COMBINATIONS OF GEOMETRICAL FORMS.

THE system of education invented by Frederic Fröbel is now becoming general in all our infant schools, and cannot be too highly recommended, on account of its great value and importance. It is the most simple means of awakening and satisfying the natural longing for active exertion, so as to promote

in children of tender years the development of their bodily and mental faculties by most progressive occupations.

To mothers and others interested in the education of children, we should recommend them to cut out a number of squares in cardboard, and afterwards paint them in various colours, and the practice is to make as many different forms as possible; and the eye will soon become accustomed to the most agreeable combination of colours as well as forms. The following will serve as examples, but a

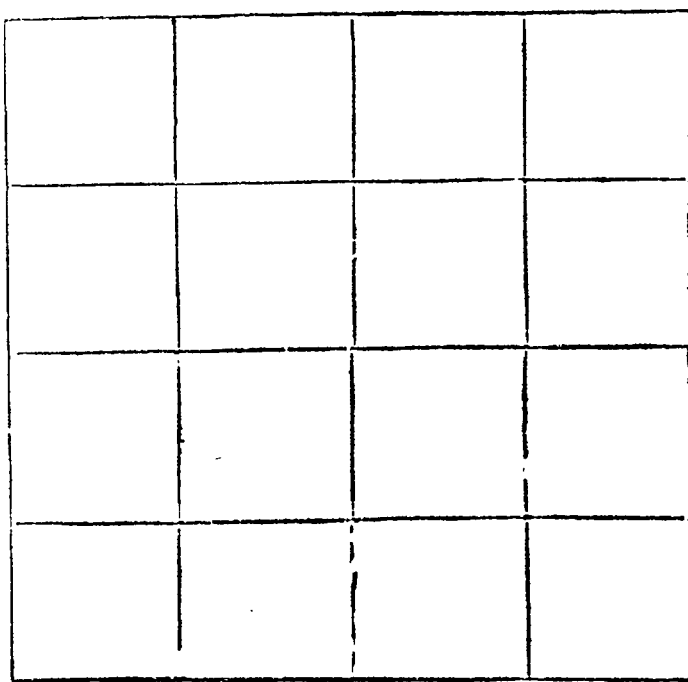


FIG. 1.

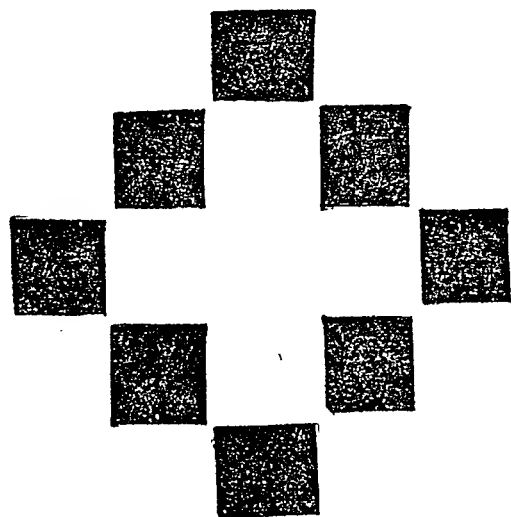


FIG. 2.

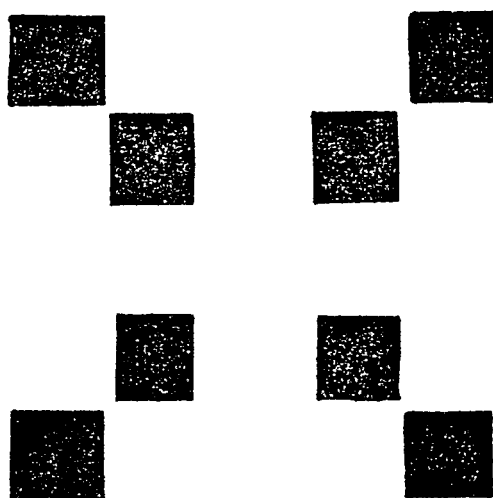


FIG. 3.

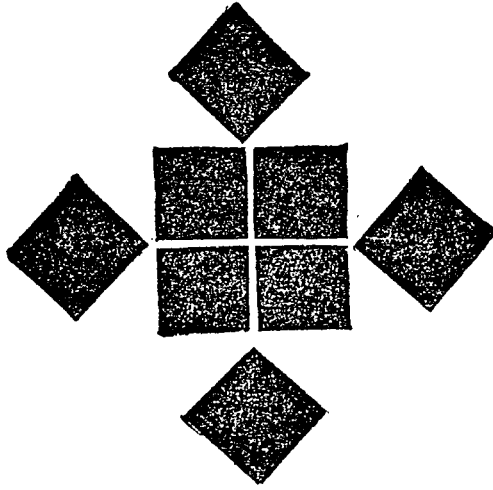


FIG. 4.

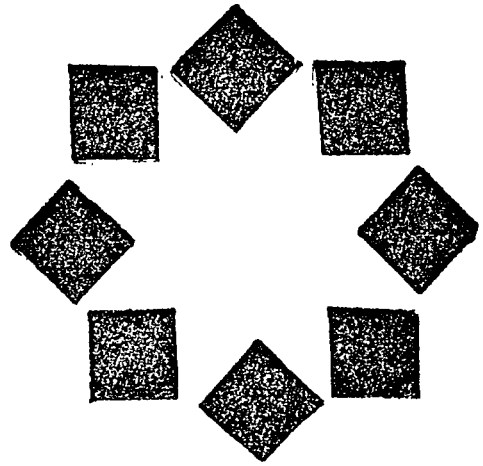


FIG. 5.

variety of others can be also made out of the same shapes. The square cut one way in two makes two angular forms (fig. 6); the double square cut in two makes two angular forms (fig. 7) different from the preceding; fig. 8 is another form. These enable the pupil to make a varied arrangement of forms, and to give a more striking effect to the figures or designs. The scholar learns that four triangles, properly placed, form another triangle (fig. 9); these can again be composed into a great variety of shapes; figs. 10 and 11 are only a sample of many that may be produced by combination. The plan is an excellent one, as exercising the ingenuity in making figures, but it also gives the first notion of counting and



FIG. 6.



FIG. 7.



FIG. 8.

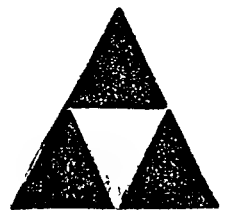


FIG. 9.

calculating. It will be seen by the glance which we

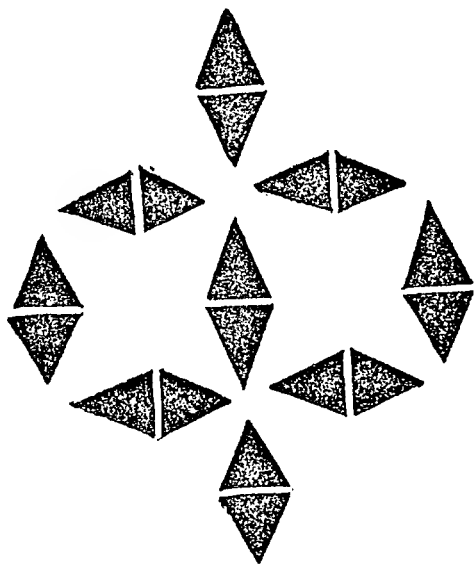


FIG. 10.

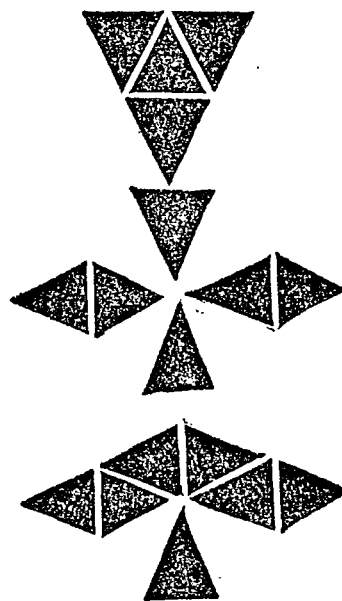


FIG. 11.

have now taken at this subject, that by the use of these models the pupil can be made capable of comparing and understanding forms, even before they are able to draw firm lines either with pen or pencil. The value of this must be apparent, for the hand soon follows the eye, and the pupil, by observing natural objects with the geometrical forms with which she is acquainted, will soon be able to delineate an interesting and pleasing variety of designs.

SOLID GEOMETRICAL FIGURES.

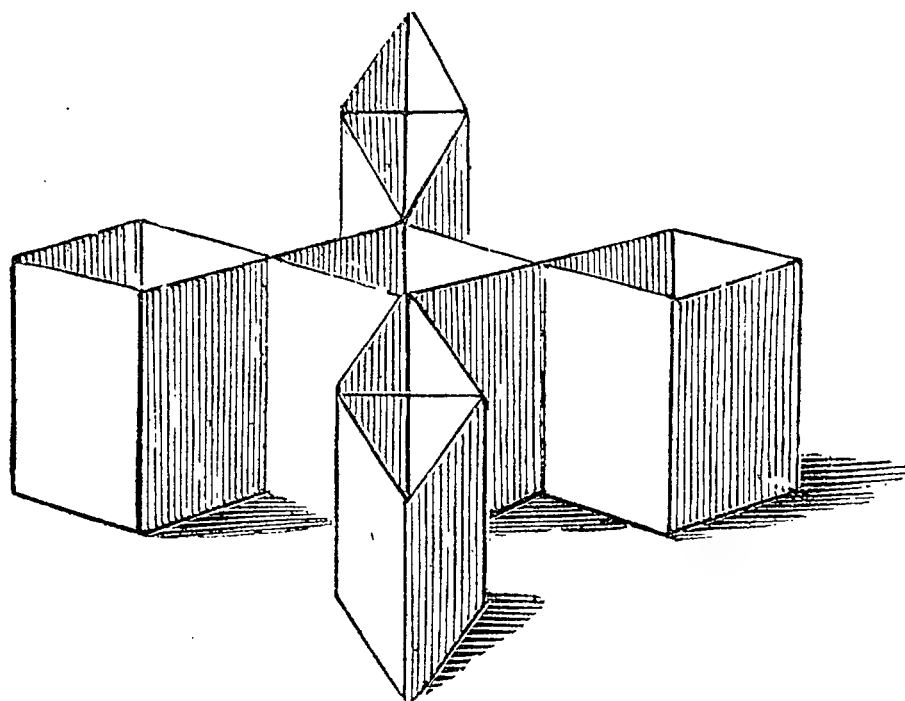


FIG. 1.

ANOTHER plan of which we shall give a few examples is perhaps the best of all, as the objects when composed assume the form of solids, and are therefore more striking, and like those already described have the advantage of endless combinations, according to the taste and invention of the maker. Any common cards will answer the purpose,—they only require to be all of one size; small-sized cards are the best, and are sold in packets of fifty, or they may be cut out of a piece of cardboard the proportion of

fig. 2; of these at least twenty should be made, cutting half through the dotted line with a penknife and ruler,

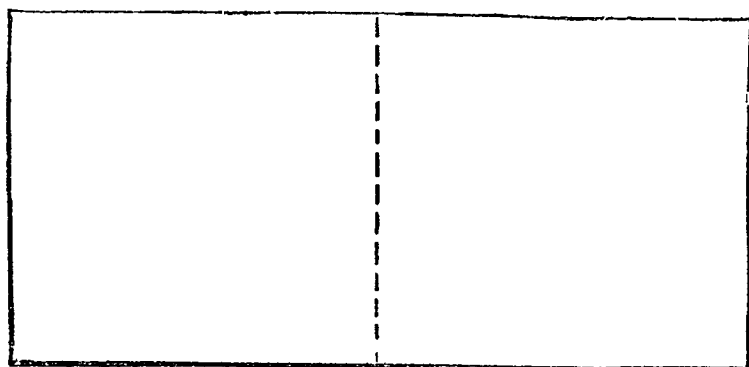


FIG. 2.

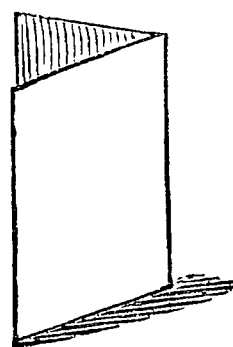


FIG. 3.

to make the card bend more easily; when bent, they will form any angle you please (fig. 3). By multiplying and arranging them, hours of amusement as well as instruction may be agreeably obtained. Having prepared your cards as already described, place two of

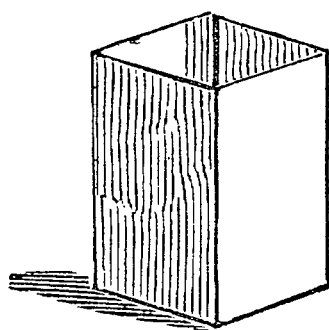


FIG. 4.

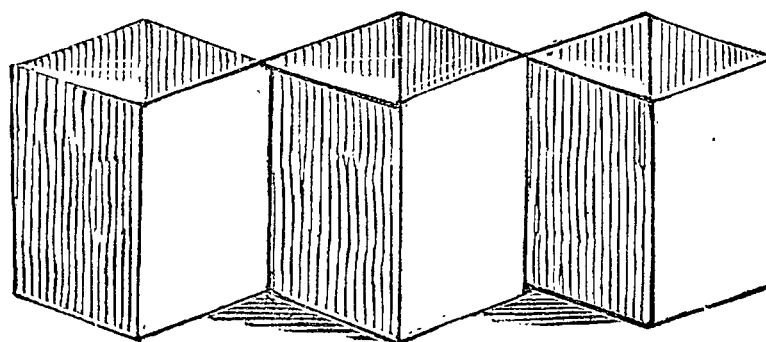


FIG. 5.

them together (fig. 4), and then two more, one at each end, and you have fig. 5; by adding two more of the same shape to the opposite corners of the centre figure, you will have the design fig. 1.

Fig. 6 may be commenced by placing four angles together; add to these six more on the outside the reverse way, and you have fig. 7. Fig. 8 may be made

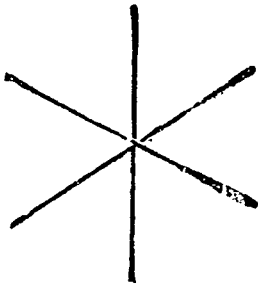


FIG. 6.

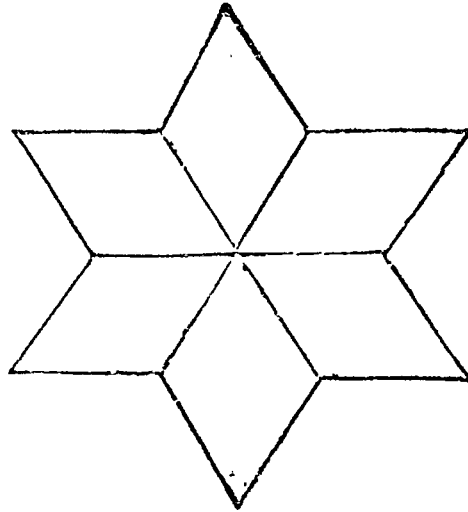


FIG. 7.

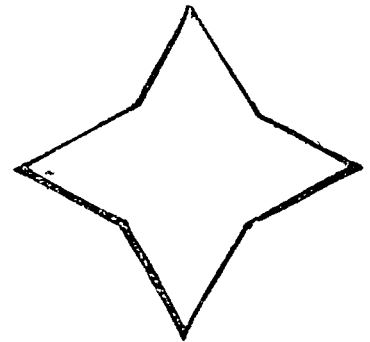


FIG. 8.

by placing four angles just the reverse way from the last, at the commencement; add to these four more

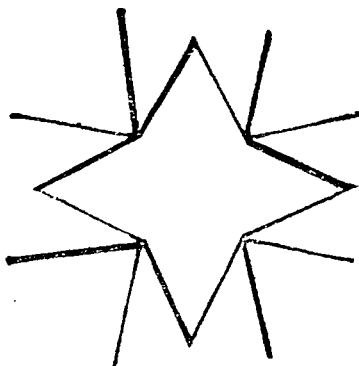


FIG. 9.

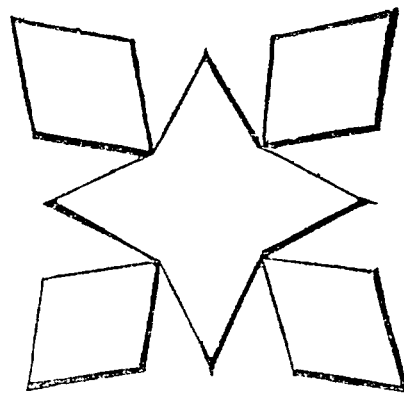


FIG. 10.

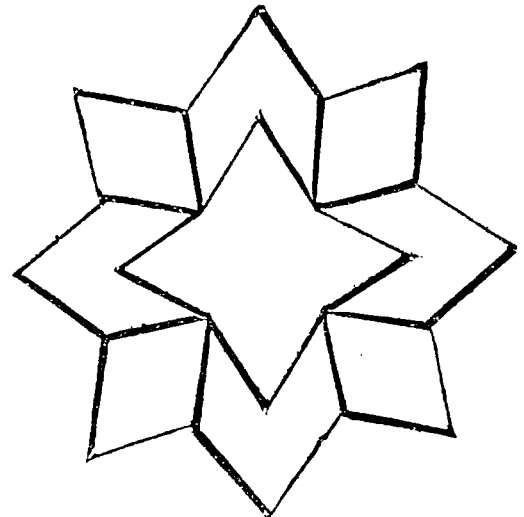


FIG. 11.

at the inner corners, and you will have fig. 9; and to these four more again, reversing the angles, as in

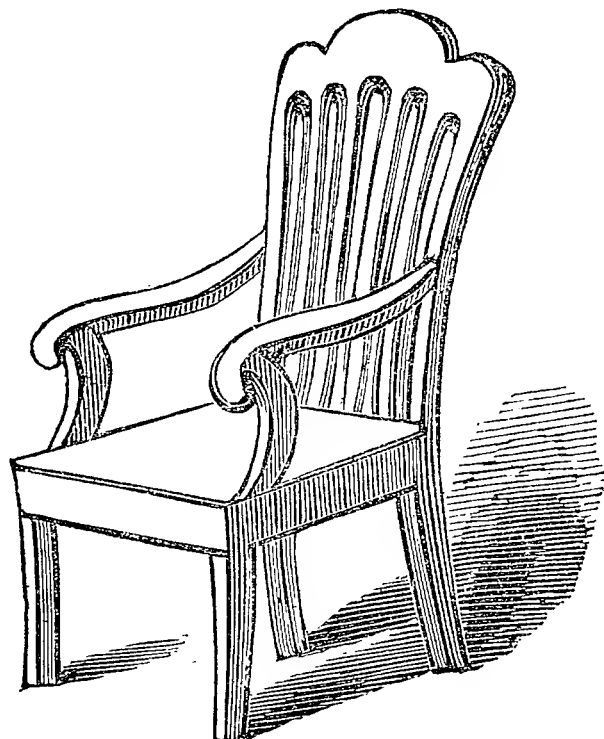
fig. 10. Add again four more to the outside ones to form fig. 11. By such like arrangement every variety of design may be formed.

TO FURNISH A DOLL'S HOUSE WITH CARD-BOARD TOYS.

FOR a *Table*, the same pattern will do in cardboard as already given in the directions for paper toys (fig. 2, p. 8), only the cardboard pattern must be cut *half through* on the face of the dotted lines to make them turn over sharply. .

The *Chairs*, may be cut out in the same manner, but the dotted lines must also be cut *half through* on the card, and by doing the same with the *Fire-place* and the *Fender* the same patterns and directions will do as well on cardboard as on paper ; but care must be taken, if you want your house to look uniform, to keep all your toys in proportion. For cardboard they will require to be a little larger than the paper patterns—say as large again, for those already described. You can cut out as many chairs as you think proper, and as you can do a great many more things in cardboard than you could with paper, you may as well have an arm chair.

Arm Chair (fig. 1). One or two of this pattern



may be made. First cut out the front and legs, and half through the card at the dotted line on the *front*, fig. 2, and bend over; having cut out the divisions on the back carefully with a pen-knife, cut half through the dotted line on the back of the seat and turn it upwards, having first cut through the

dotted lines at the *outside* for the arms to turn inwards, and the small portion at the ends must be fixed with a little gum

under the bottom of the chair. The two back legs may be made of two pieces of the form of fig. 3,



FIG. 3.

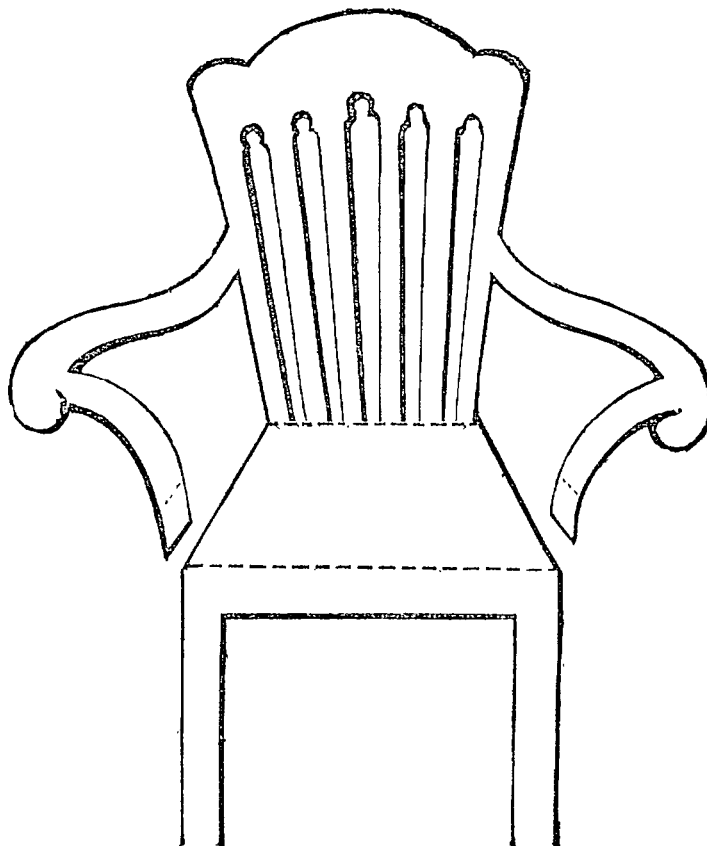
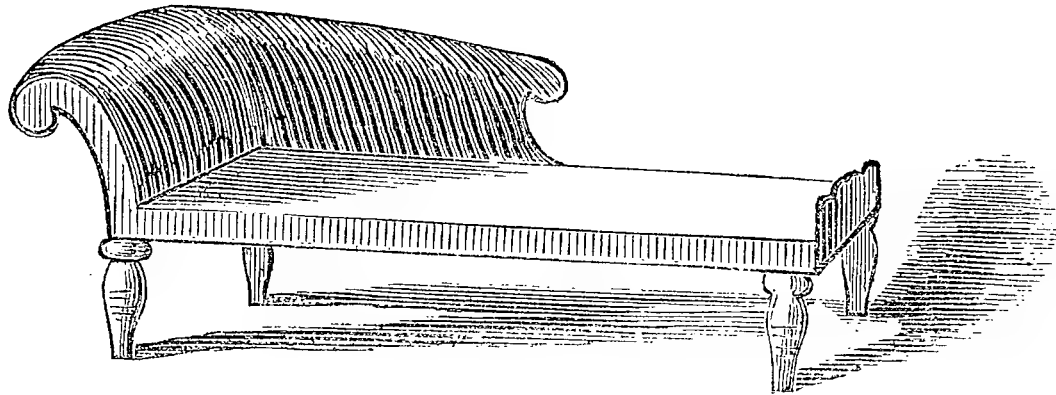


FIG. 2.

and by cutting half through the dotted lines and bending over, the small pieces can be fixed with gum to the bottom of the arm chair.

Couch (fig. 1). Take a piece of cardboard half as



large again as the diagram (fig. 2), and having cut out the outside shape, cut with a pen-knife and ruler *half through* the dotted line on the

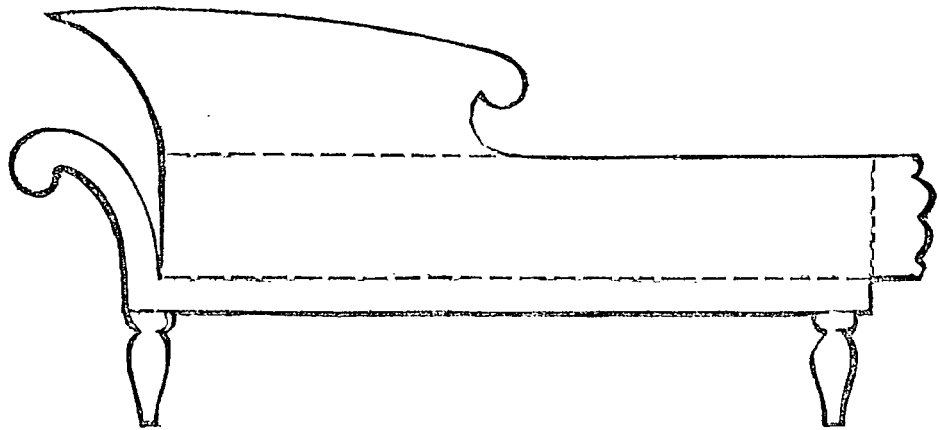


FIG. 2.

face of the card *in front*, and bend over to form the side, arm, and legs, and for the end and back cut *half through* the dotted lines on the other side and turn them upwards, which will form the seat, back, and end. To make the head of the couch it will be necessary to make another pattern, fig. 3. Cut *half*

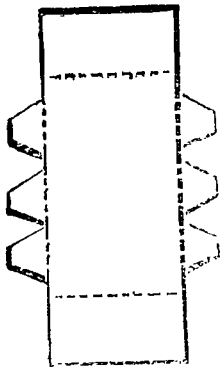


FIG. 3.

through the dotted lines at the bottom and right hand sides at the back of the card, and the left hand side on the *front*, and turning them over, fix first the under portion to the front end below the bottom of the couch, and the smaller extremities to the outside of the back, and the other to the inside of the arm ; before fixing, turn over the outside end between the fore-finger and thumb. The two legs for the back may be made as fig. 4, cutting half through the dotted line on the *back*, fix the upper end to the inside of the bottom of the couch, opposite those in front.



FIG. 4.

Bed-steps (fig. 1). This figure can be cut out of one pattern, fig. 2.

Having cut out the shape for the top, back, and sides, the card must

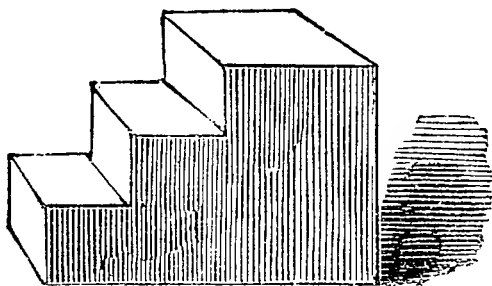


FIG. 1.

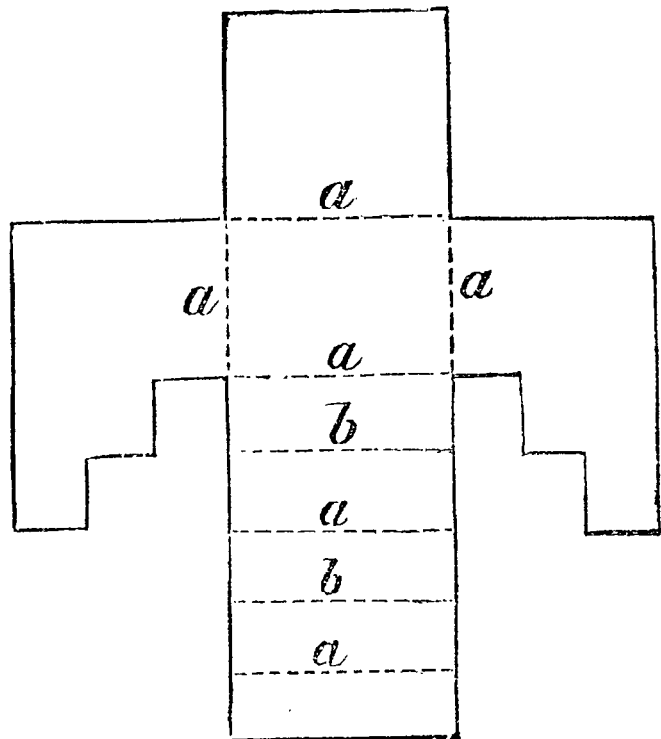


FIG. 2.

be cut *half through* on the *face*; the steps on the dotted line *a* must also be cut half through on the front at *a*, and on the back *b* to turn over the reverse way. When completed so far, the whole can be fixed together by small pieces of paper on the inside, taking care to finish the steps nicely before you close in the back.

Wash-hand Stand (fig. 1). This must be made at

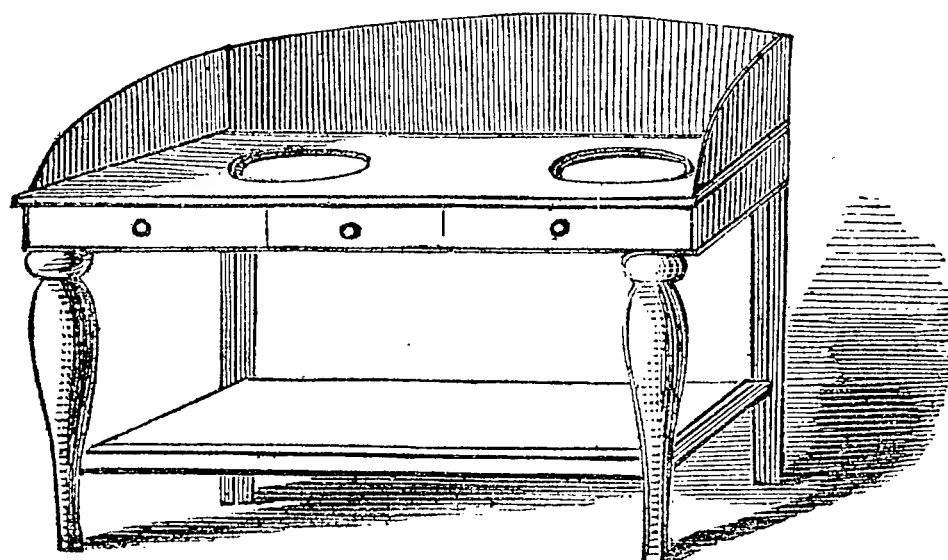


FIG. 1.

least one-third larger than the diagram, fig. 2; and having cut out the pattern for the top, front, and back legs, cut *half through* the dotted lines on the *face* of the card; for the two ends cut *half through* the dotted line on the back of the card, and by turning these over—the legs downwards and the sides up—you have the frame of your stand. The holes and the insides of the legs will be best done with a penknife.

For the bottom cut out the shape fig. 3, also one-third

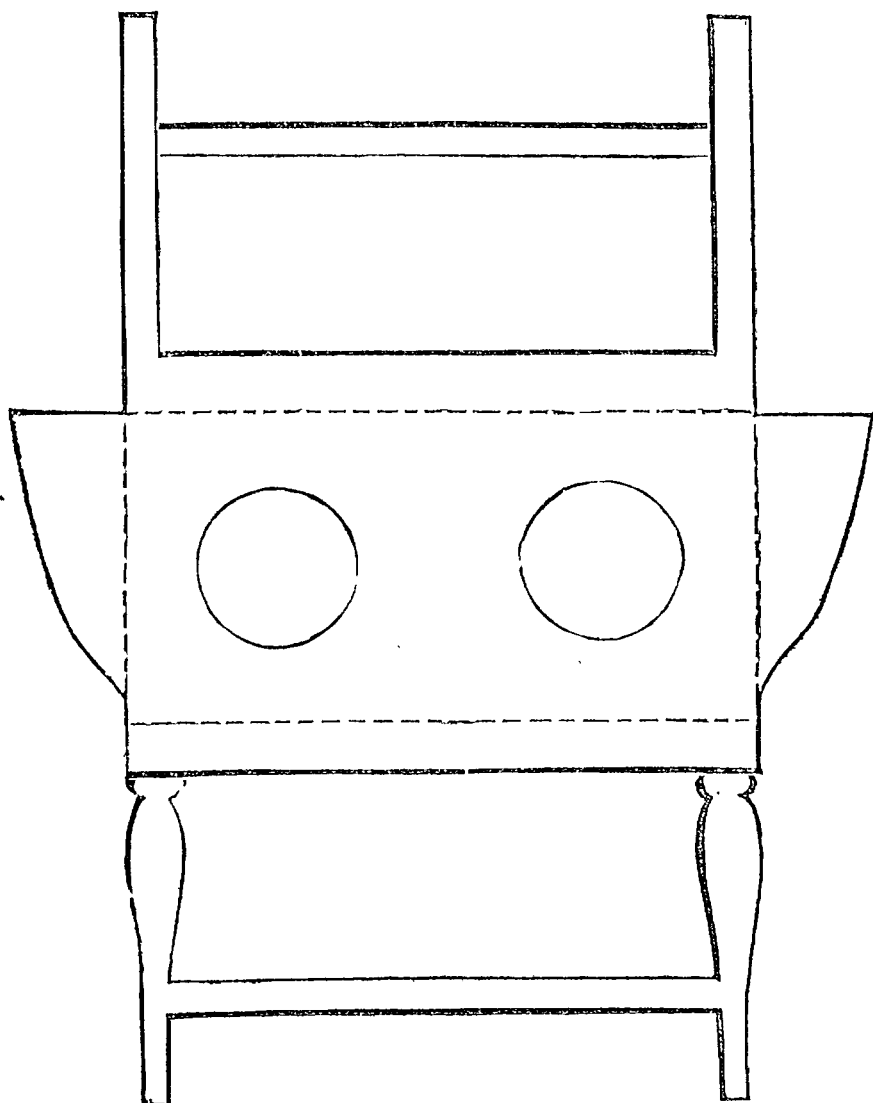


FIG. 2.

the back—also one-third larger than the pattern, and cut *half through* the dotted lines on the *outside*, bend this inwards and fix with gum

up to the dotted line of the figure, to the back

larger than the pattern, and cut half through the dotted lines on the face of the card, and turn the ends down; take a little gum or paste, and fix these to the inside of the support, front and back, and allow it to dry; in the meantime you can be cutting out fig. 4—

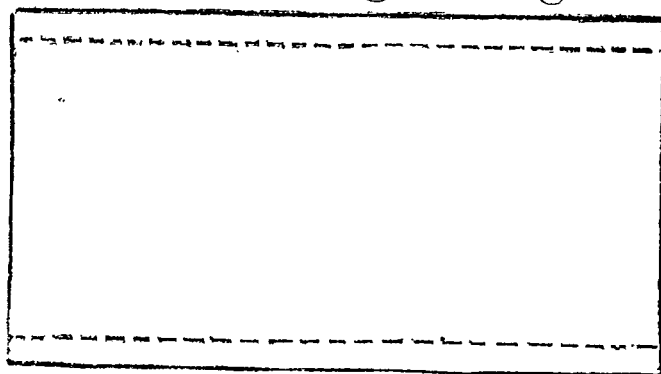


FIG. 3.

part of the stand, and when dry it will make a very complete wash-hand stand.

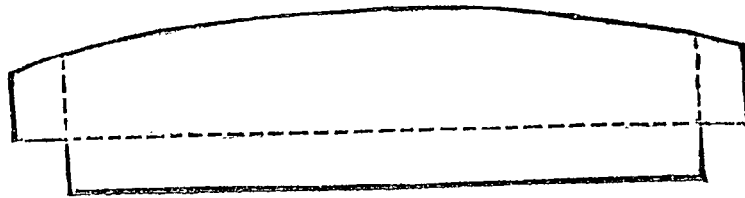


FIG. 4.

Bed. This must be at least as large again as all the figures. The back, roof, and curtains can be cut

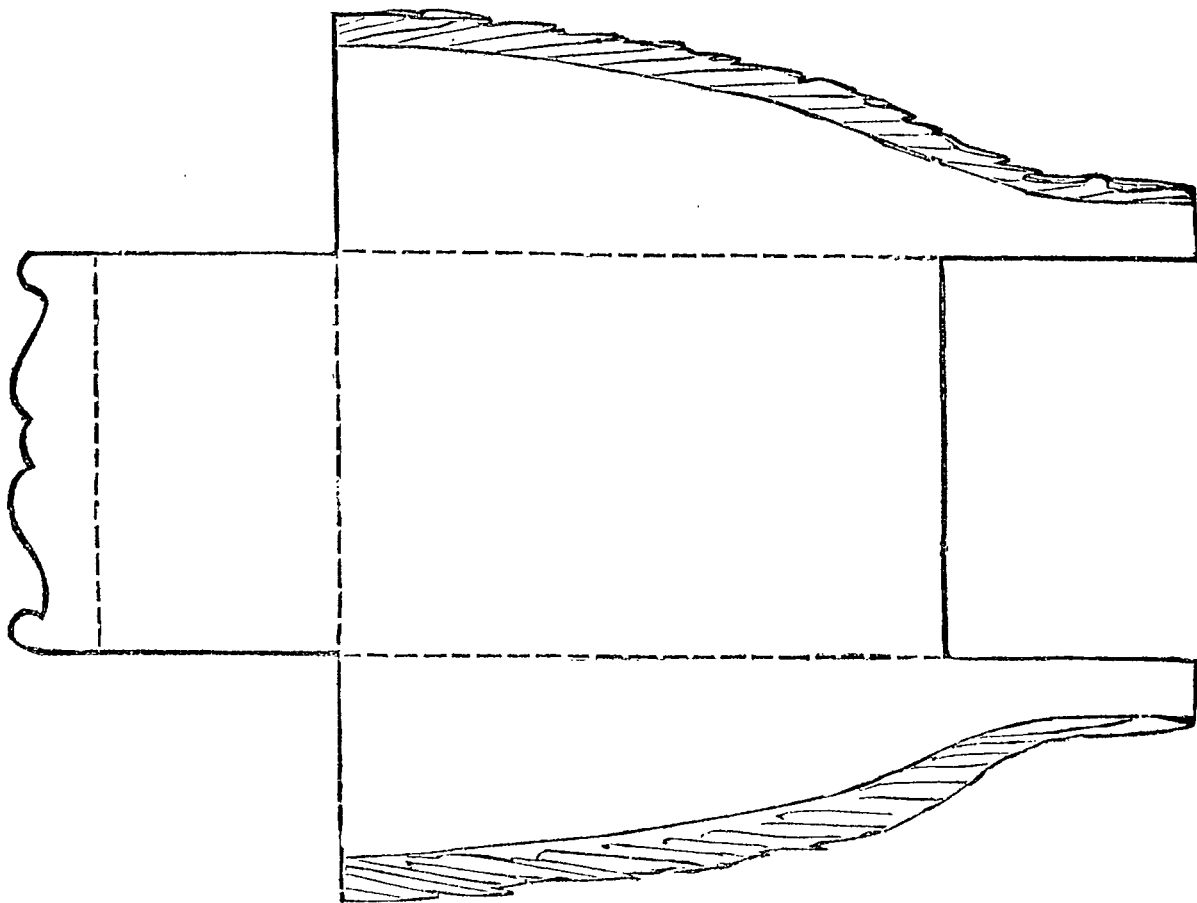


FIG. 1.

as fig. 1 ; for the side curtains cut *half through* the dotted lines at the *back* of the card, and also for the top and front ; and bend them all inwards, first cut-

ting through the edges of the curtains, as in the pattern. Fig. 2 forms the foot of the bed, and fig. 3 the

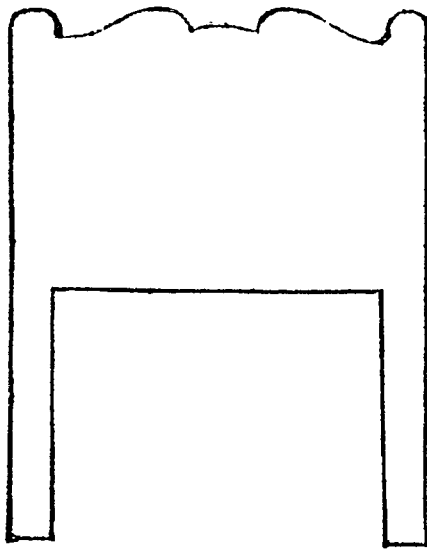


FIG. 2.

bottom; the dotted lines being all cut on the front of the card, and the sides and ends turned over will make the bottom; the sides and legs can be fixed together by a little gum, also the two ends to the back and front. The curtains, roof, back, top, and front

can be fixed together also with a little gum, and pieces of paper on the inside.

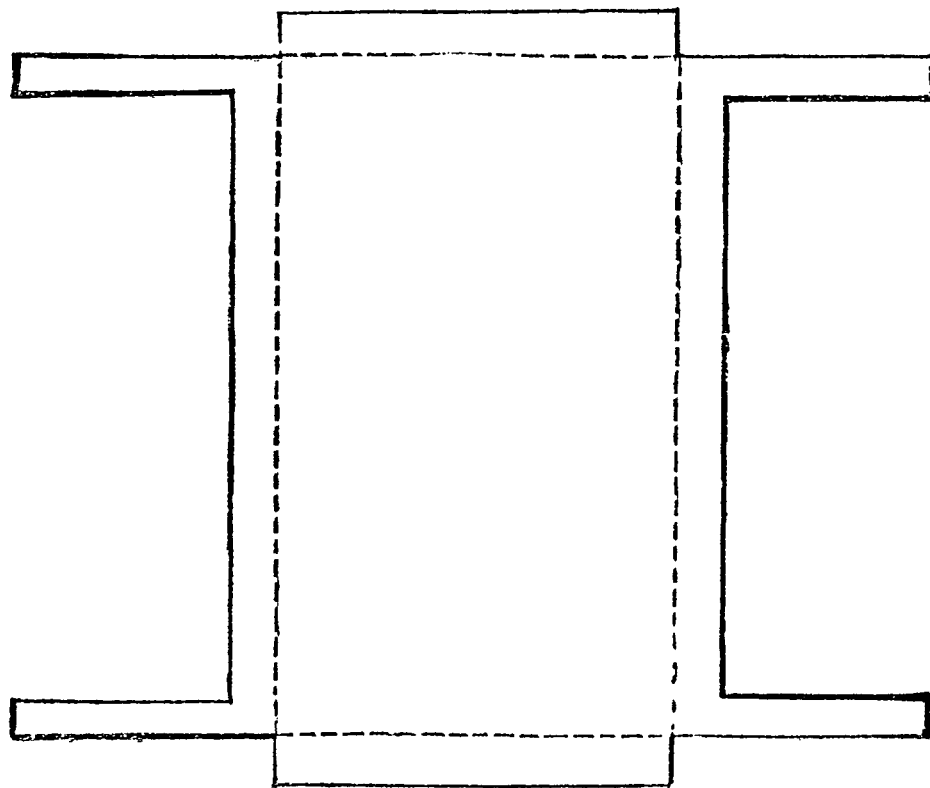


FIG. 3.

If you wish to add a little finish to your bed you can make a small *cornice* for the top, fig. 4 ; for the front, cut *half through* the top dotted line on the face of the card, and the other at the back, and bend to the shape of steps, and fix the lesser end

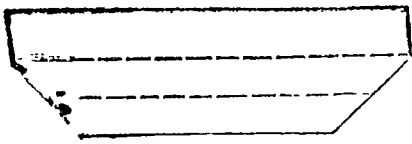


FIG. 4.

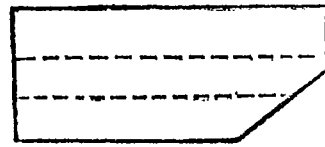


FIG. 5.

on to the top of the bed; then cut two of fig. 5 in the same way for the two sides, and fixing them in the same manner at ends of the top, your bed will be complete.

Should you wish to paint this or any of the cardboard toys, that should be done before the separate parts are put together, as the moisture would of course soften the gum or paste. With the assistance of colours the effect of the real objects can be obtained, and it of course makes your things more complete. But as it requires more skill to paint them neatly, it is not necessary that they should be coloured at all; if the cardboard is kept quite clean, they make very pretty toys as they are

BASKET.

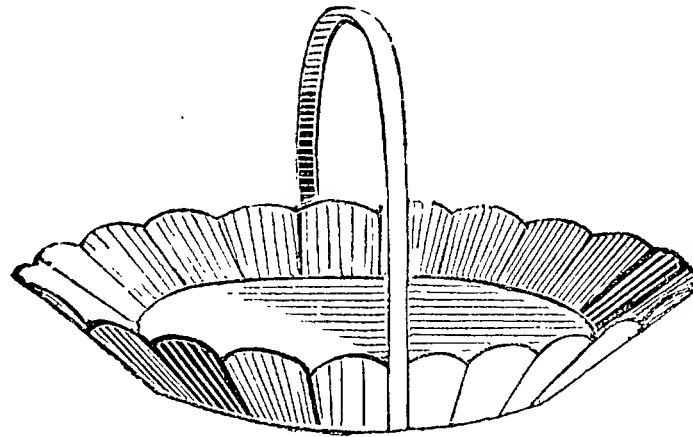


FIG. 1.

TAKE as much cardboard as you require, according to the size you want your basket to be, and with com-

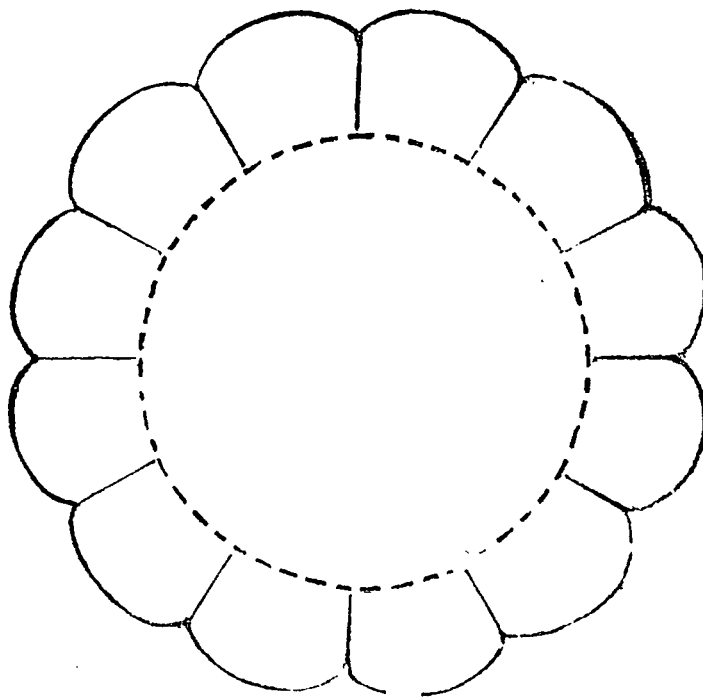


FIG. 2.

passes make two circles, one for the bottom and the other for the outside (fig. 2); divide the outside again into eight equal parts, and cut round the edges equally at the corners, and fix the whole together with a little gum. It will make

a pretty card basket with the addition of a thin slip of gold paper round the edge as in fig. 1. The handle

is made of a long, narrow strip of cardboard, bent over

and fixed to the outsides of the centre, and also ornamented with a thin slip of gold paper round each edge.

PERAMBULATOR.

THIS may be made any size, taking care to keep each part in proportion; say, for instance, double the size of the diagrams.

Fig. 1 will form the back, arms, seat, front, and foot-board. Cut out the outline, and for the back *half through* the dotted lines on the *outside*, and for the seat the same, on the *front*

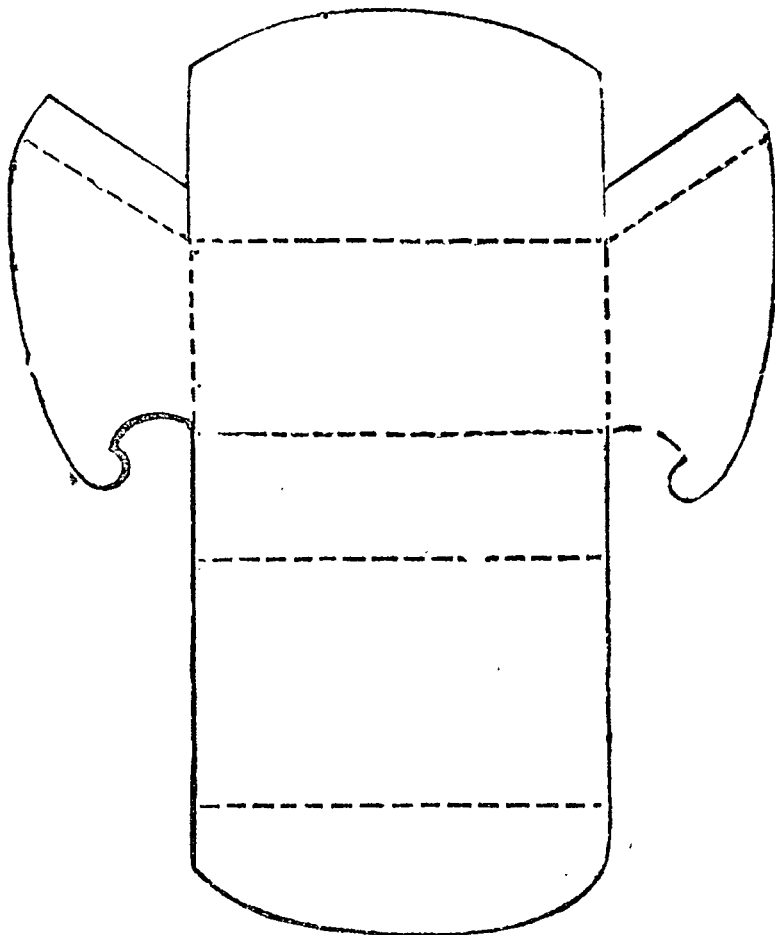


FIG. 1.

of the card, and again on the *back* for the foot-

board; the end must be slightly curved, and the other portions being turned up and down will make

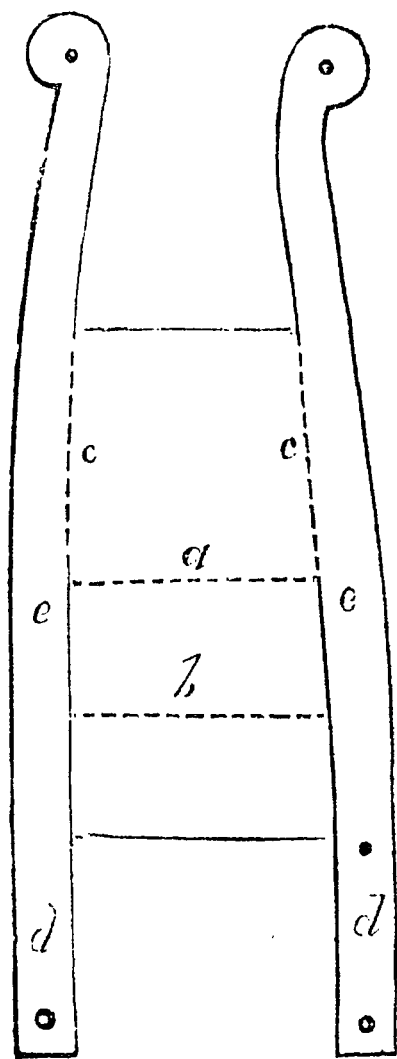


FIG. 2.

the proper shape. The dotted lines on the arms must be cut *half through* on the *back*, bent over, and fixed with gum to the back of the carriage. Fig. 2 is the frame on which to fix the carriage; having cut out the pattern and black lines, cut *half through* the dotted line *a*, on the *outside* of the card, and half through the dotted line *b* on the front, pierce the holes at the four ends, bend *a* and *b* in the form of steps; having first cut through the dotted lines *c c* on the face of the card, bend these down, and they will form the sides.

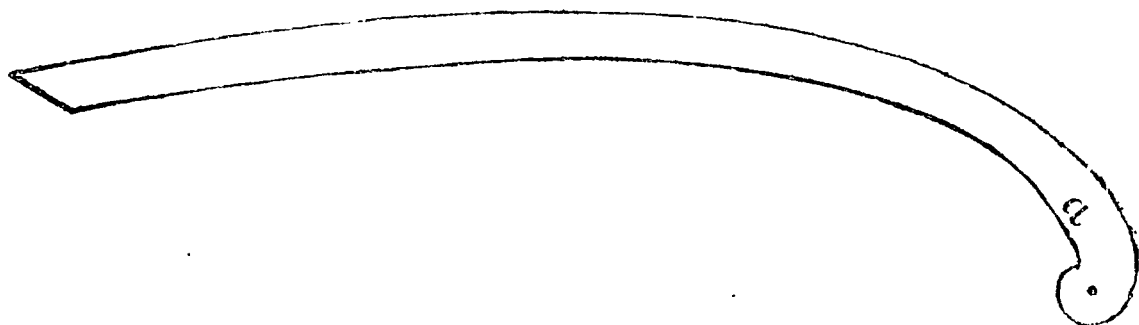


FIG. 3.

Fig. 3. Two of this pattern must be cut out for

the handles, and fixed by a little gum or paste to the inside of fig. 2, *e e*.

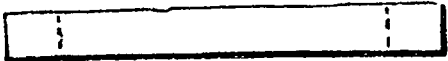
Fig. 4. Being cut out, and the dotted lines *half through* on the *face* of the card,  bend over the ends, and fix them

FIG. 5.

to *d d* to keep the framework firm behind. The bottom, front, and seat of fig. 1 must be fixed on with gum or paste to the end and back of fig. 2.

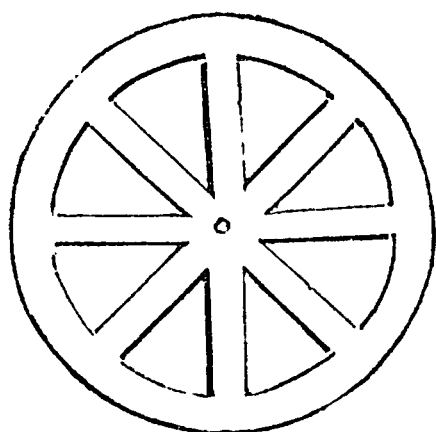


FIG. 5.

cut out the circle and the inside with a sharp-pointed penknife.

Fig. 6 is the front wheel, which must be cut as before described in fig. 5.

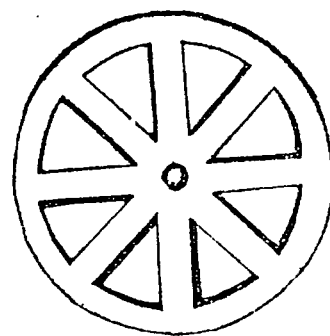


FIG. 6.

Cut a small piece of wood of the shape of fig. 7

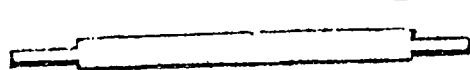

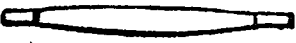



FIG. 7.

for the two back wheels, which must be put inside the two holes in fig. 2; on the ends place the wheels, which may be fixed with two small caps, of the shape of  fig. 8, on the outside of each. Fig. 9 is for the wheel in front, and must be also cut out of wood, only it should be square in the centre; and the

wheel being placed there, and the two ends through  the front holes in fig. 2, two small caps

as fig. 8 may be placed on the ends to keep the axle in its place. A small  piece of wood must be fixed firmly into

the two holes at the ends of the handle, and your perambulator will be complete.

VASE FOR SPILLS.

TAKE a piece of royal blue colour paper, about six inches in breadth, and about four inches and three-quarters in length, then cut with your pen-knife and ruler eighteen narrow strips, leaving an inch at the top and bottom not cut through.

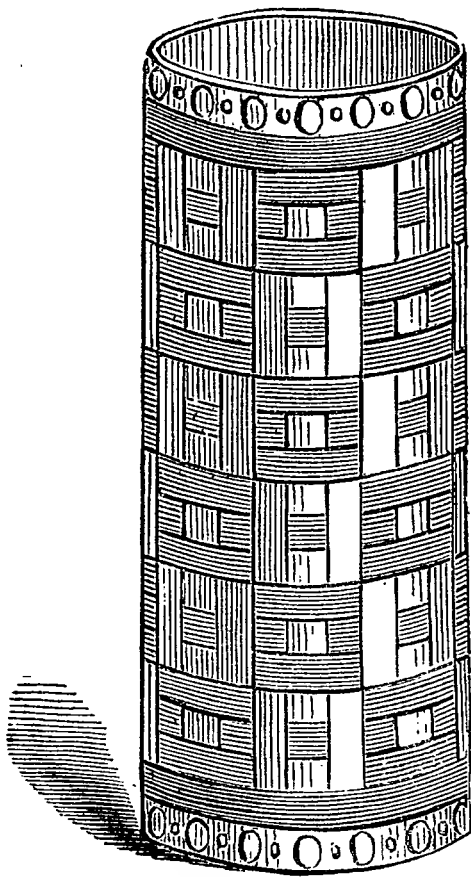


FIG. 1.

When they are finished, cut out in the same manner, and same length and breadth, twenty-two strips of gilt paper, leaving the half-inch at the ends, as in the blue paper. Take a strip of gilt paper *under* the first strip of blue, pass this *over* three blue, and

again *under* three blue, and *over* three again, till you have carried it to the other end, leaving the half inch at each side. Take another strip of gilt paper, pass it *under* the first blue, and *over* the second one, and so on in the same manner till you have finished the strip; the next is done the same as the first; then take another, and pass this under the outside one, and *under* three of the following inside strips, then *over* the next three, and *under* again, and so on till you come over to the other end. Take another,

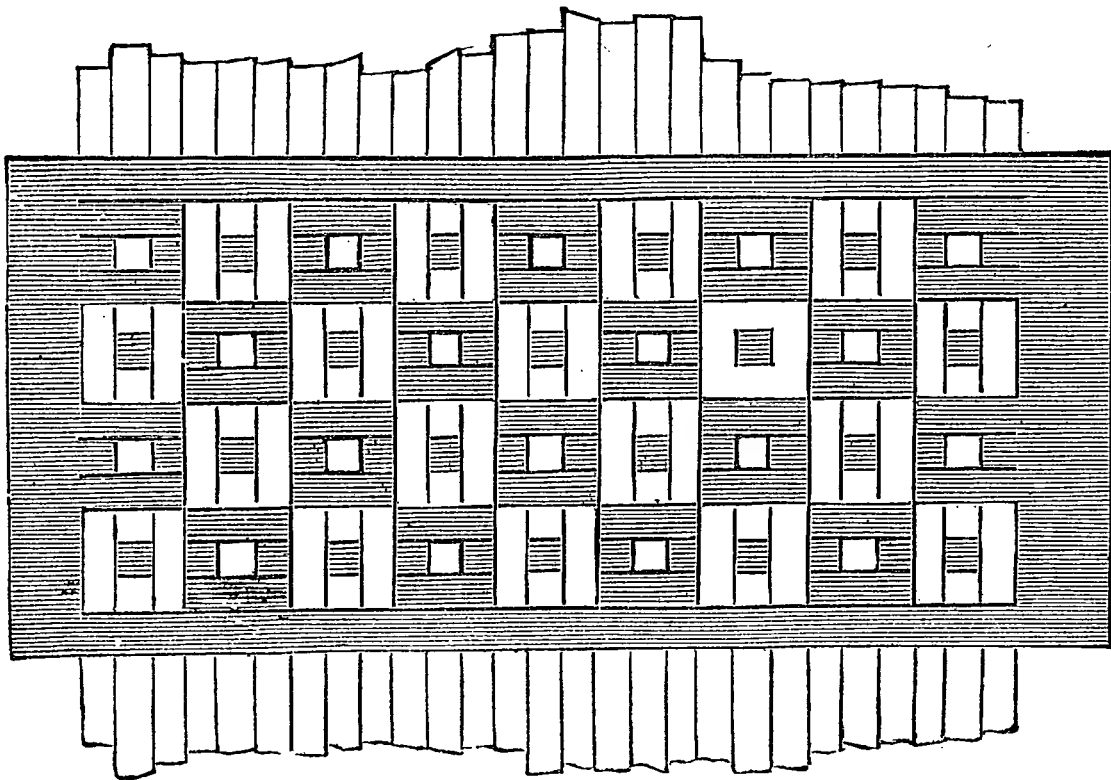
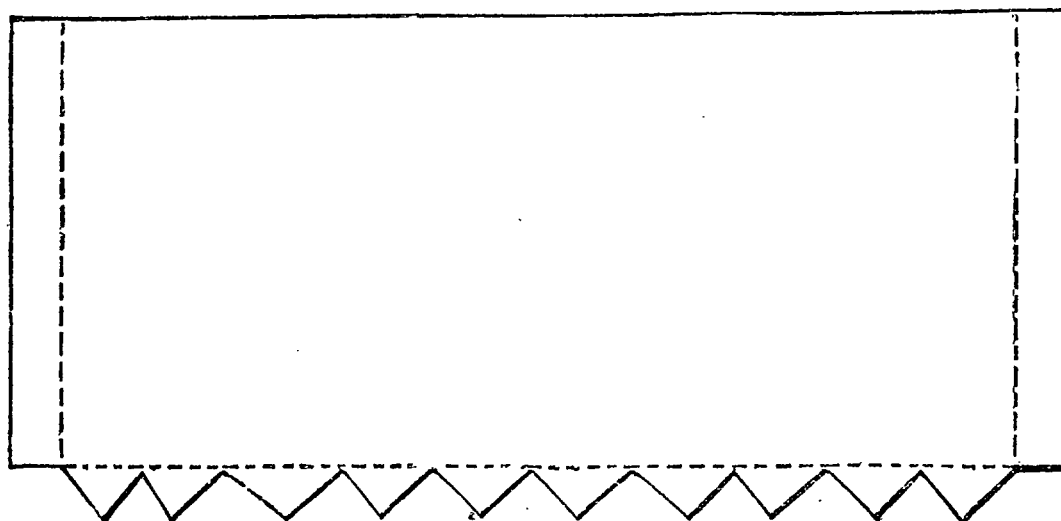


FIG. 2.

pass under the outside, and *under* one of the *inside*, *over* again and *under*, till you get to the end.

The next is done the same as the fourth strip of gilt; commence again as at the beginning, and so continue all over the pattern, fig. 2.

The vase is made of cardboard, exactly the same length and width as the blue paper (fig. 2). Cut half



through the dotted line in *front* of the card, at the bottom, and on the *back* of one side, and in front of the other with your penknife; divide the separate ends

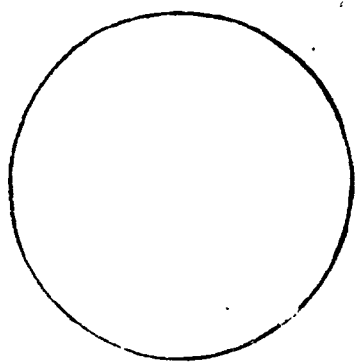


FIG. 4.

of the card in half, back and front; fix the two sides together with gum very neatly, and allow it to dry. For the bottom, fig. 4, cut out a piece of cardboard the exact size of the inside of the vase, and fix with gum the sides, fig. 3, thereto; cut off the outside ends of the gold paper, and fix with gum the two ends of blue together round fig. 3.

Having procured some strips of embossed gold paper, fix round the top and bottom of your vase, and you will have a pretty and useful chimney-piece ornament.

COTTAGE

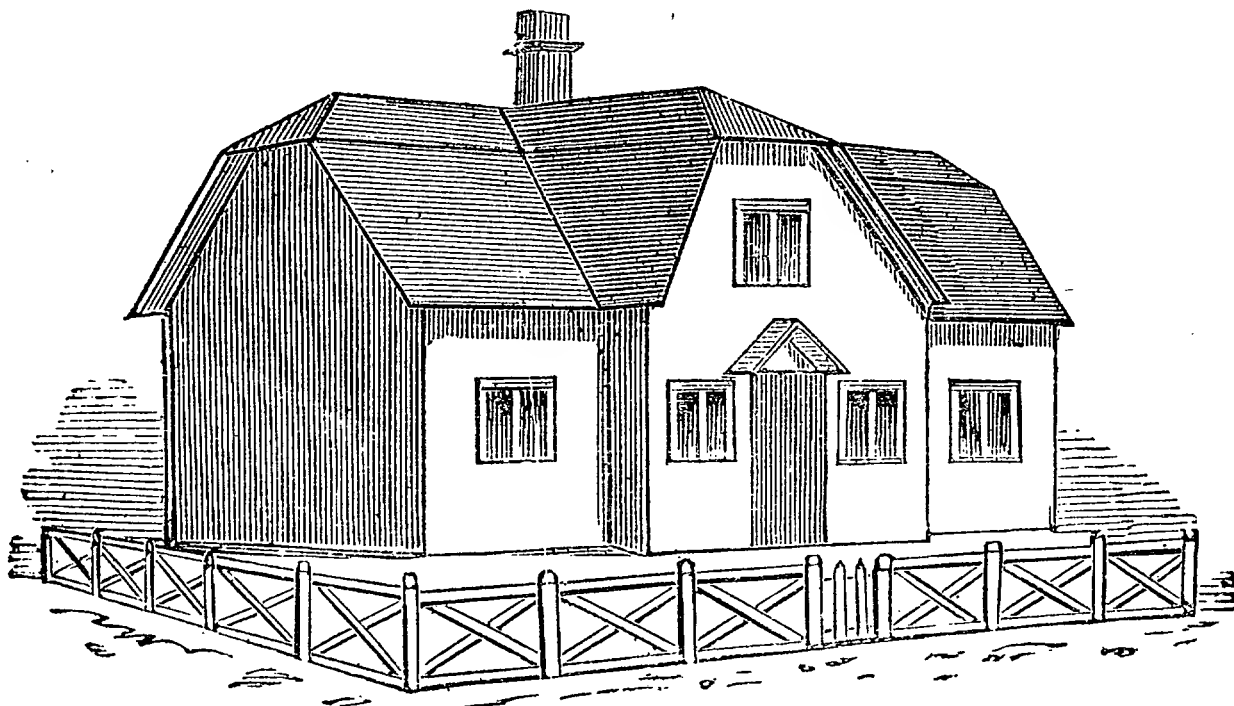


FIG. 1.

THIS cottage will make a very neat embellishment for the drawing-room; it should be at the least as large again as the patterns. Cut out a piece of cardboard about six inches long by four inches and a half wide, for the ground on which to fix the house;

the stouter it is the better, although for a small cottage as is here described the ordinary Bristol boards will answer the purpose.

Fig. 2. Cut out the pattern, the outside with a

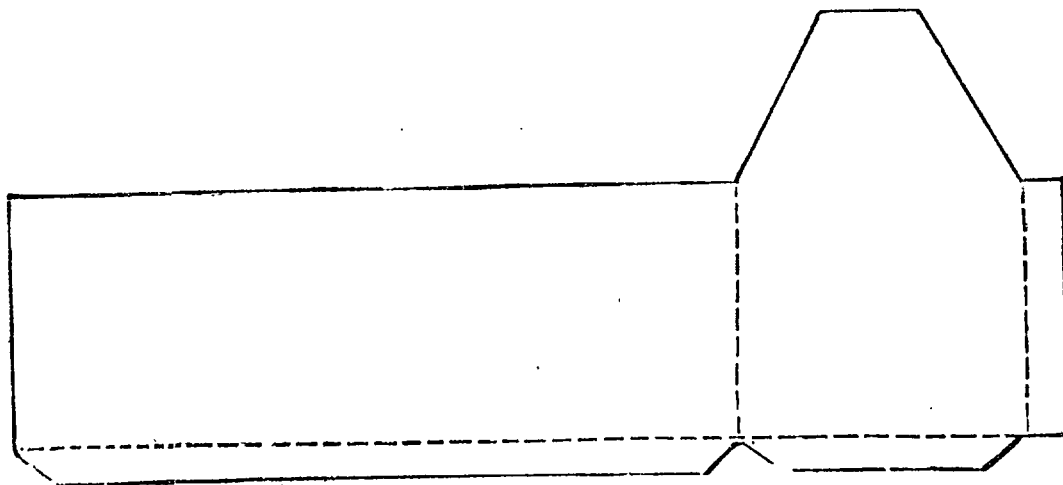


FIG. 2.

pair of sharp scissors, and the dotted lines *half through* the card on the *back* with a penknife, using a ruler to get the lines perfectly straight; this will make the back and one side of the cottage. The piece at the end of all, as well as that at the bottom, after being *half* cut through, ought to be split in two with the point of a penknife; and fixed to fig. 3, the front and other side, and also to the ground.

Fig. 3. Cut out the pattern—the outside with the scissors, and the inside of the windows with a sharp-pointed penknife; the black lines on the door must be cut quite through with a penknife, and a small hole,

in shape of an angle, must be cut for the porch over the door, also with a penknife; the single dotted line

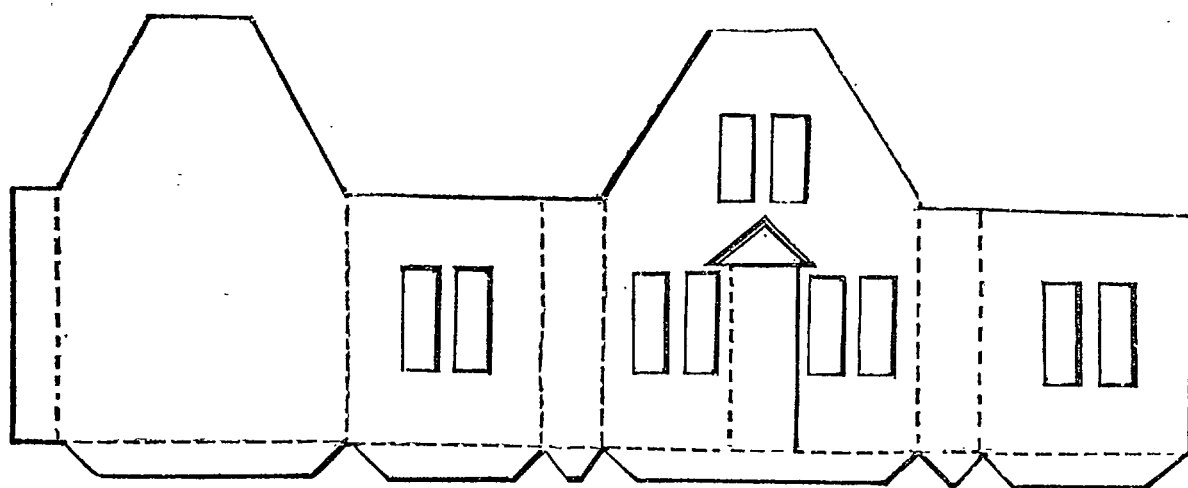


FIG. 3.

must only be cut *half through* the card on the *inside*, to allow the door to open a little. To make the projecting part in the front, as well as the ends, cut *half through* the dotted lines on the *front* of the card, the two inside lines, and for the two others, cut *half through* the dotted lines on the *back* of the card, and for the portion at the bottom cut *half through* on the front, and bend the ends over on the inside, first splitting them as in fig. 2; bend over the others back and front, and this ought to be done by laying the line on the edge of a flat ruler or something similar, to get the angle nice and sharp. Now fix the front and back together with a little gum, and allow it to dry, and having got the whole quite

square fix on near the back of your stand the under portion of the cottage, press it down carefully with the round end of the pencil, and allow it to dry before you proceed to put on the roof.

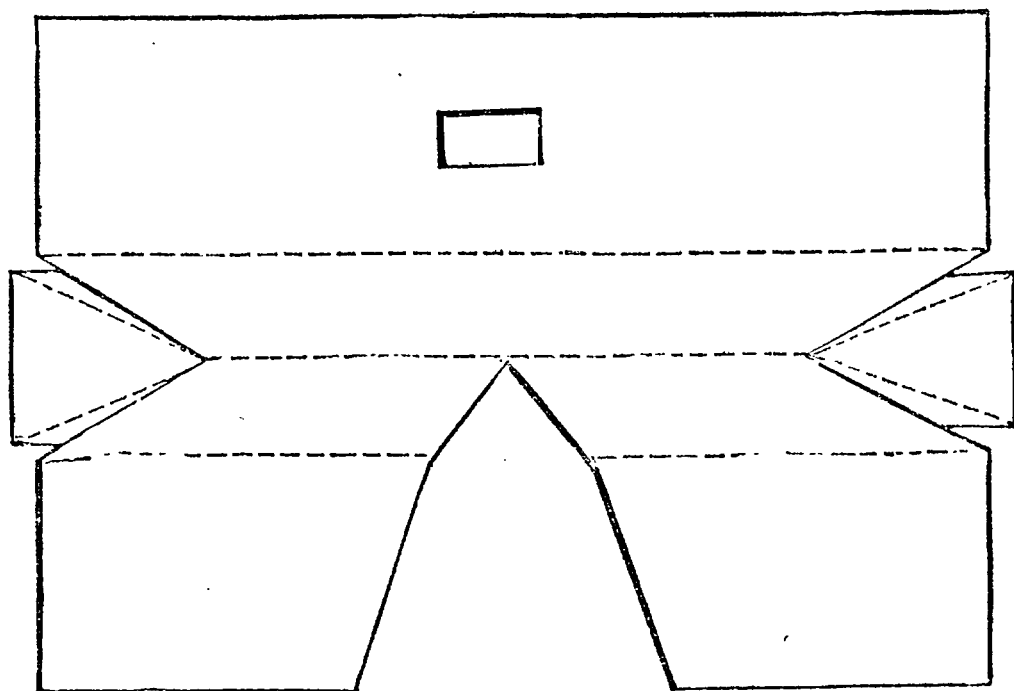


FIG. 4.

In the meantime you can be cutting out the pattern fig. 4. The dotted lines must be all cut *half through* with a penknife on the front of the card; the hole for the chimney must be also cut out with a penknife, but quite through the card. Bend the three dotted lines on the top slightly over in the shape of an angle, and fix the extremities of the small ends from the dotted line under the top, and allow it to dry.

You must next cut out the chimney, fig. 5. The

dotted lines must be cut *half through* on the *face* of the card, bend over into shape, and the end pieces fixed inside; for bottom ends, to bend outwards, they should be cut *half through* on the *back* of the card; allow it to dry before putting it through the hole, and secure it to the inside by the

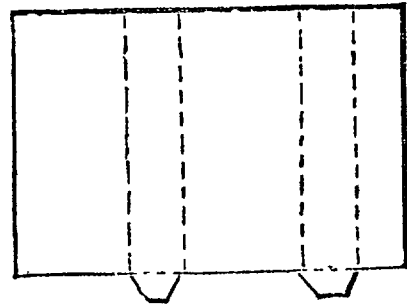



FIG. 5.

 small ends. It will give the chimney greater finish if you put on fig. 6 near the top, the in-
FIG. 6. sides ought to be first cut out with a penknife, from a larger piece of card, and the outside can be cut afterwards to the shape, and fixed on with a little gum.

The small porch over the door, fig. 7, must be cut as pattern; the dotted line in the centre *half through* on the *face*, for the bottom ends *half through* the card on the *back*, bend to shape, and fix
FIG. 7. in the hole over the door.

The roof for the front porch, fig. 8, must be cut out of a separate piece of cardboard, the outside with the scissors and the three dotted lines on the roof cut *half through* with the penknife for the ends at the back. They should be cut *half through* on the *back* of the card, and fixed to the inside of the long part of the roof. After this is quite dry, you must place the

roof on the top of all, and it will not be necessary

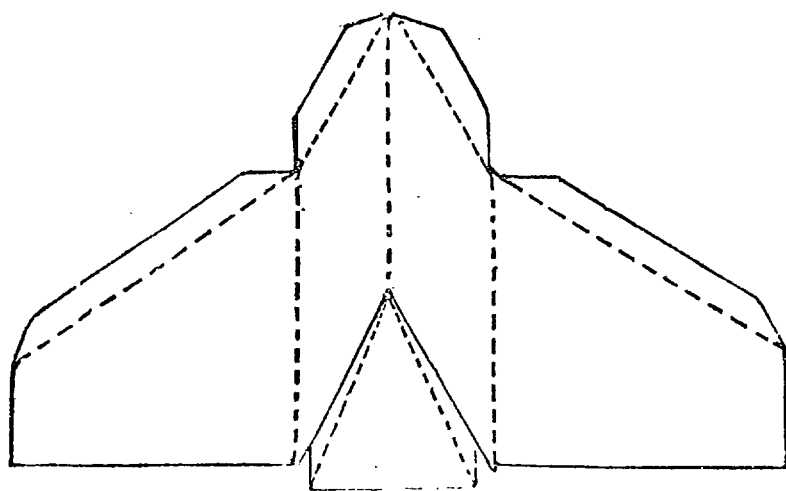


FIG. 8.

to fix it with gum. You will now have a nice neat little cottage, but if you want to give still further finish to it, you can make a railing all round,

and also a gate into the garden.

The Railings. Cut out several long strips of cardboard, about the breadth of fig. 9, and also

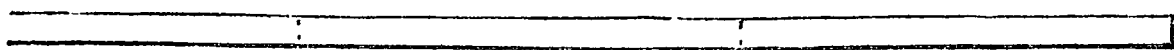


FIG. 9.

a number of the form of fig. 10; cut half through the dotted line, at the ends of all these, and split off one half of the card with your penknife, and for the cross bars cut a number of still smaller strips (fig. 11). You must then take two strips of fig. 9 and lay them at equal distances, and with a little gum place all the upright ones upon them, also at regular distances, fig. 12; then cut



FIG. 11.

your slips to the height you require from corner to corner, and fix them as fig. 13; stiff white paper will do almost better for the latter purpose than card. When

dry, turn over the small ends at the bottom, and fix these with gum all round your garden, leaving a

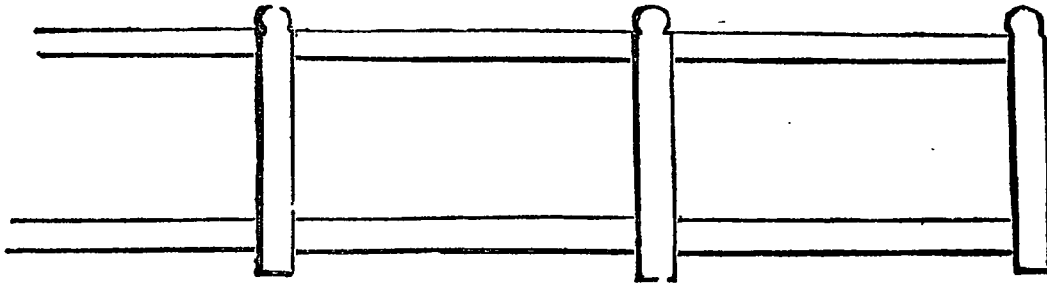


FIG. 12.

square place in front for the gate (fig. 14); this you can make a little different in form, although by simi-

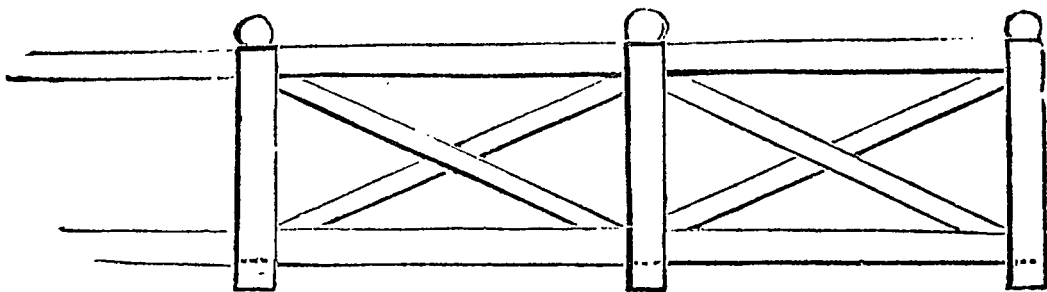


FIG. 13.

lar means. Cut out two small strips, fig. 15, and place them at equal distances, and cut out a few of the pat-

tern, fig. 16, and fix them to fig. 15, as in fig. 14; at the back of all place one cross-ways and allow it to dry, and you can at-

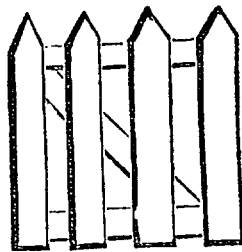


FIG. 14.

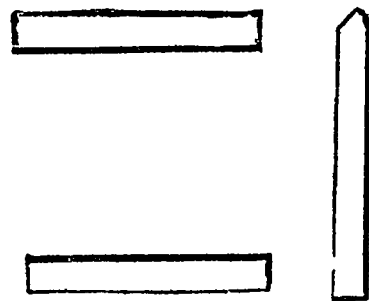


FIG. 15. FIG. 16.

tach the gate to the rail with two small slips of paper to act as hinges, and your house and grounds will be complete.

HOW TO DRESS A DOLL.

THIS is not only pleasant employment, but it is extremely useful; to be able to make your doll's clothes, you will acquire the knowledge of making your own dresses when you are older. Every little girl is fond of dolls, and to dress one neatly requires some experience. Young ladies too often depend upon others to make their doll's clothes, but with the practical illustrations we propose giving for making each article of dress separately, we trust all our young friends will be enabled to make their own things. Sewing is particularly a ladies' accomplishment, and it cannot be too early practised or encouraged. Cutting out requires more art and skill, but in making dolls' clothes experience may be gained, and a little practice will soon enable any one to make them neatly and properly; so that you will thus gratify your own taste, and afford amusement to your juvenile companions and friends.

Chemise (fig. 1). Take a piece of fine white calico,

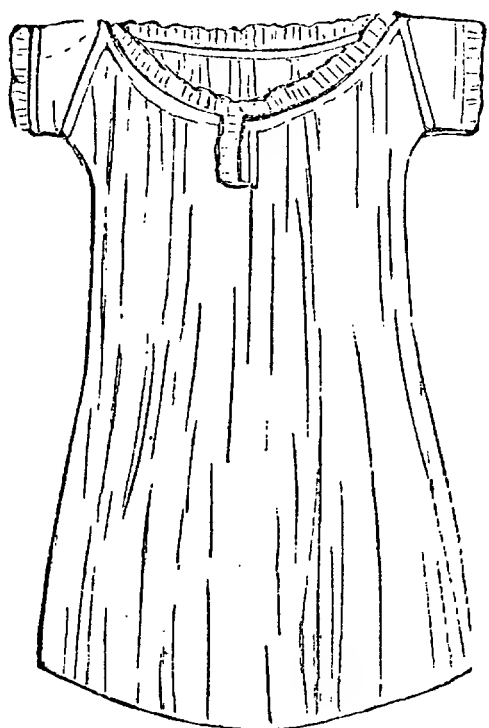


FIG. 1.

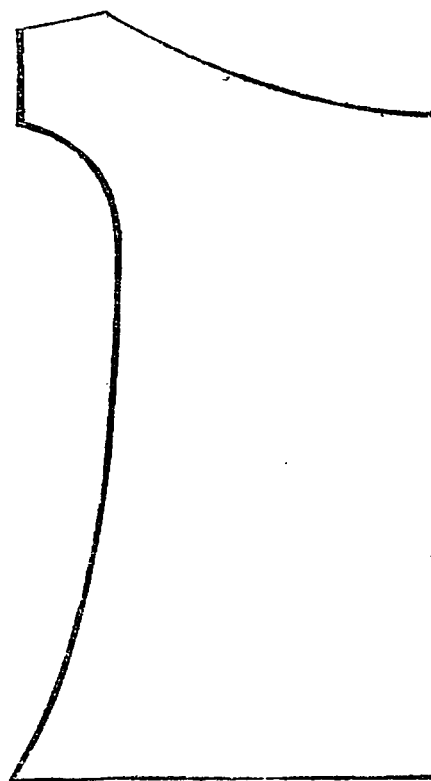


FIG. 2.

the size you require for your doll; double it once, then fold it in half again, and cut it out to the shape of fig. 2; when opened out you will find the two sides both alike making the back and front. Put the four seams together, and tack them on both sides, run them a little way from the edge, fell these down very neatly, and hem the bottom round. Before you commence it, take a piece of card the width you require the hem and cut it to the size, tack it along, and afterwards hem it down; then run the tops of the sleeves together a little way from the end of the

calico, separate these, and fold them down as if you were going to hem them, keeping it even, turn the chemise to the right side, and also turn down the sleeves and back-stitch them; do the same to each side of the small seams at the top of the sleeves. You will require a band to put the chemise on to, and for that get a strip of calico; this must not be too wide,—measure it round the shoulders of your doll, and cut it to the required length, lay it flat upon the table, and turn it over at the dotted line, fig. 3, back-

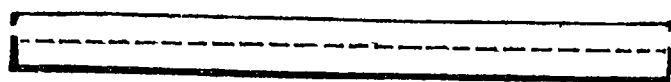


FIG. 3.

stitch it a short distance from the dotted line; then take the chemise and cut the front a little way down, so as you can put it on to the doll without tearing it; make a narrow hem on the right side, and afterwards do the same with the left, only making it about as wide again; double the broad one over the narrow, and stitch it just at the end of where you have hemmed it, then take a long needle and thread and gather the top round, beginning at the small opening in front; when you have come to the other side pull the thread out of your needle, and measure the width of the band on the chemise; when you have got it, pin it to keep it in its proper place, twine the thread you have left

round the pin; then take the band on the right side which is stitched, and lay it down on the same side of the chemise, and stitch it there; when done, turn the band up, and hem it down on the other side. Sew a small linen button on the end of the band, and at the top of the narrow hem on the opposite side, make a small button-hole. This completes the plain work of the chemise, but to make it more finished you can trim it with a narrow piece of embroidery, sewing it all round the neck and sleeves, as fig. 1.

Stays (fig. 1). Take a piece of jean, double it

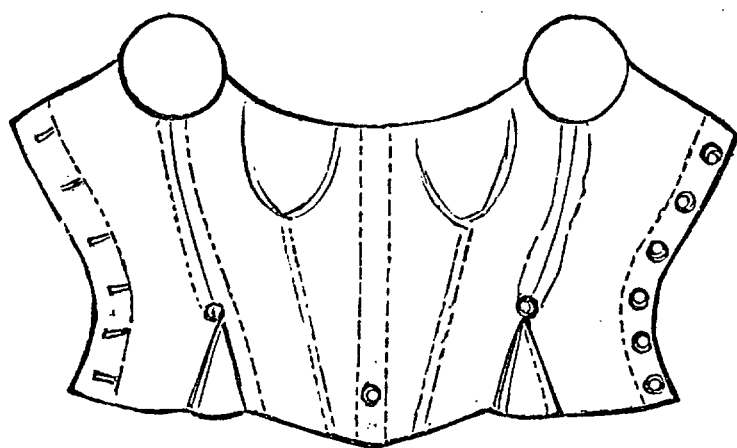


FIG. 1.

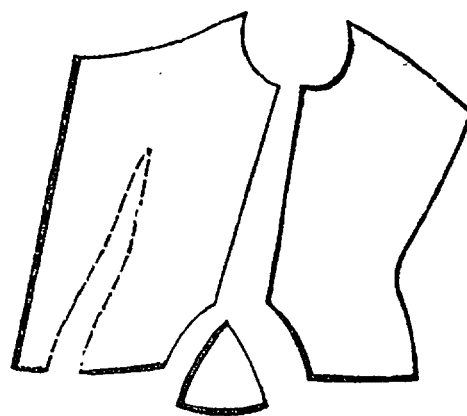



FIG. 2. FIG. 4. FIG. 3.

once, and cut out the pattern, fig. 2, which is the front, and for the backs fold another piece, and cut it out as fig. 3; fold another small piece for the gussets, and cut them out as fig. 4, then take the front, open it out, and back-stitch in the sides, as in dotted lines fig. 2. Stitch it twice down the middle

of the front as in fig. 1, leaving a small space between each; then take one of the backs, and back-stitch it to one of the sides of fig. 2, down as far as it is cut off for the gusset, and do the same on the other side. Stich in the gussets, fig. 4; take a piece of stay-binding, first separating the seams, and sew it over them, doing the same with the gussets; then bind all round the stays with the same material. For the shoulder-straps take a piece of binding, and form it to  the shape of fig. 5, and sew each of the ends on to figs. 2 and 3. Back-stitch a little way from each end of the backs, as the dotted line, fig. 1. Make as many button-holes as you require, taking care to keep them at equal distances, and between the stitching and the ends. To fix on buttons, place the two backs together and put pins through the button-holes, which will enable you to get them exactly in the proper places, and sew them on strongly—one in front, fig. 1, also one above each gusset, for the petticoats and drawers to button on to. Take a rather broad piece of whalebone for the centre of the front and put it in between the stitching; then put a narrower piece of whalebone into both the seams in fig. 2, between the jean and the binding; sew another piece on the inside just behind the button-holes, and also

behind the buttons, and put a small piece of bone up each of them, and tack them in at the ends of the stays.

Drawers (fig. 1). Take a piece of calico, double it twice, and cut out the pattern, fig. 2; then separate them, join up the seams of the legs separately, running and felling them up as far as the end of the slope, join the two fronts together, running and felling them about half way down, to where you left off sewing up the

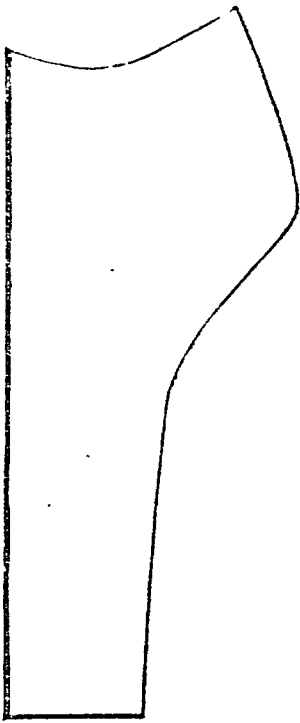


FIG. 2.

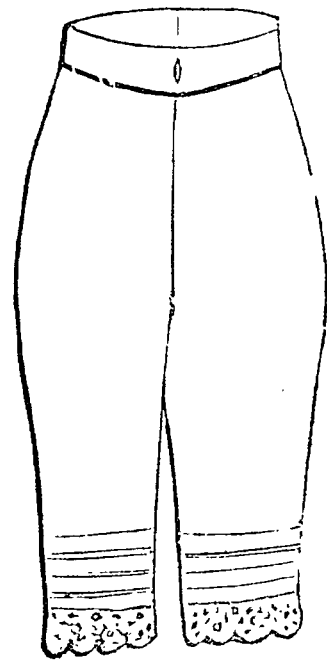


FIG. 1.

drawers; then turn them to the right side, get a piece of tape, and turn in the edges which are at the top of the back part of the legs; then sew over the tape and the part of the drawers which you have turned down, and hem it on the inside. Tack down a hem as wide as necessary, and before doing so measure it with a piece of card to get it the even distance;

also do the same between the hem and the tuck, and again with the width of the hem above that, tack it

and run it, and so on for as many tucks as you require; then put the work which you wish to be added, and hem it down, and do the same with the other leg. For the band, take a plain piece of calico, and measure it round the waist of your doll; make a button-hole in the middle, and one at each end, and sew it on to the drawers in the same way as already described for the chemise.

Flannel Petticoal (fig. 1). Procure a piece of nice

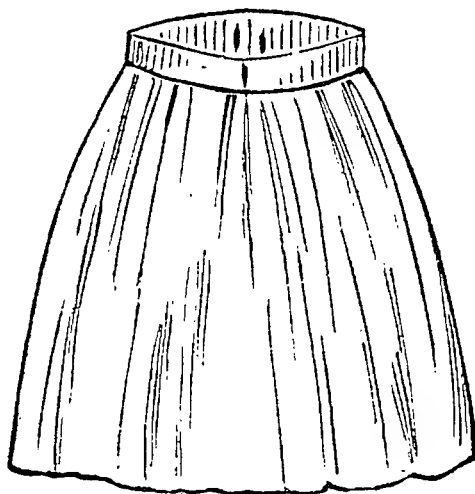


FIG. 1.

fine flannel, and cut it to the shape of fig. 2, and the size of your doll; then take the two ends, and run them together nearly up to the top, but leaving a piece undone for the placket-hole; herring-bone the seam down very neatly. Take a piece of flannel binding and hem it on to the wrong side all round, then turn a small piece over on the right side, hem that down

also, slope it out a little in front as in the dotted lines, fig. 2, and bind round in the same manner the

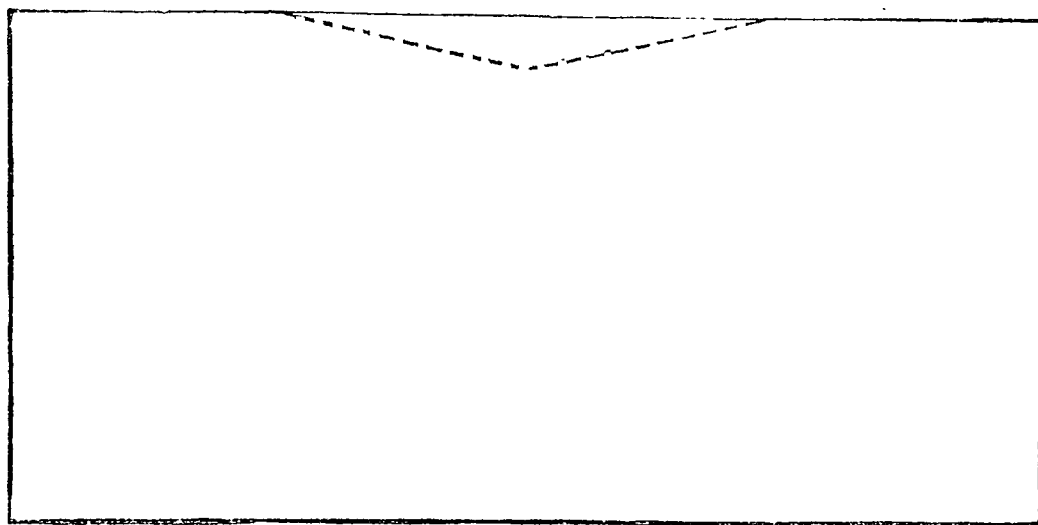


FIG. 2.

placket-hole. Now take a long thread in your needle, and begin at the middle of the flannel, gather it up, also on the other side, and



FIG. 3.

make a band, fig. 3, the same as you did for the drawers, only of a little coarser material.

Hoop Petticoat (fig. 1). Take a piece of stout white calico, and cut it to the shape of fig. 2 of the flannel petticoat, and the size you require it; hem the two ends together, leaving enough for the placket-hole; do that also in the same manner as you did the opening in the chemise, then take some binding the proper width, and the same length as the petticoat, fig. 3, just turn the bottom in and sew it to

the petticoat at the end, and hem the binding at the top on the wrong side ; then hem two more pieces

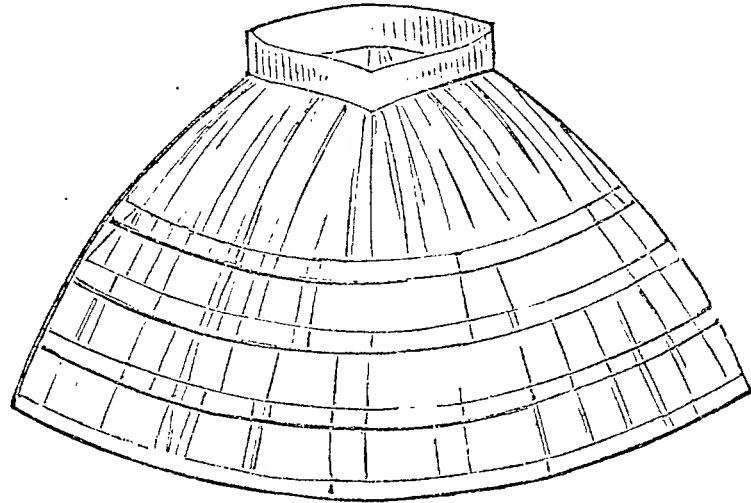


FIG. 1.

of binding on in the same manner, at an equal distance apart. Gather the top up, and slope it in the

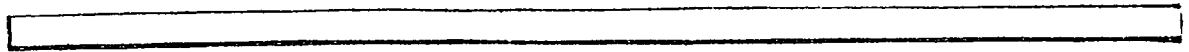


FIG. 2.

same way as you did fig. 2 of the flannel petticoat ; also make a band of the same sort, only of a little

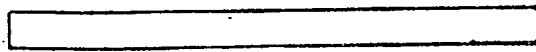


FIG. 3.

finer material, fig. 3. Now put in the steel, which must be very narrow ; run in the bottom one first, not gathering it up in the least ; then sew a small piece over to keep it firm, and do the same in fastening in all the others, gathering them gradually in, to make each one smaller than the one under, till you get a proper shape.

White Petticoat (fig. 1). This is also made of white calico, but of much finer quality. Run the two sides

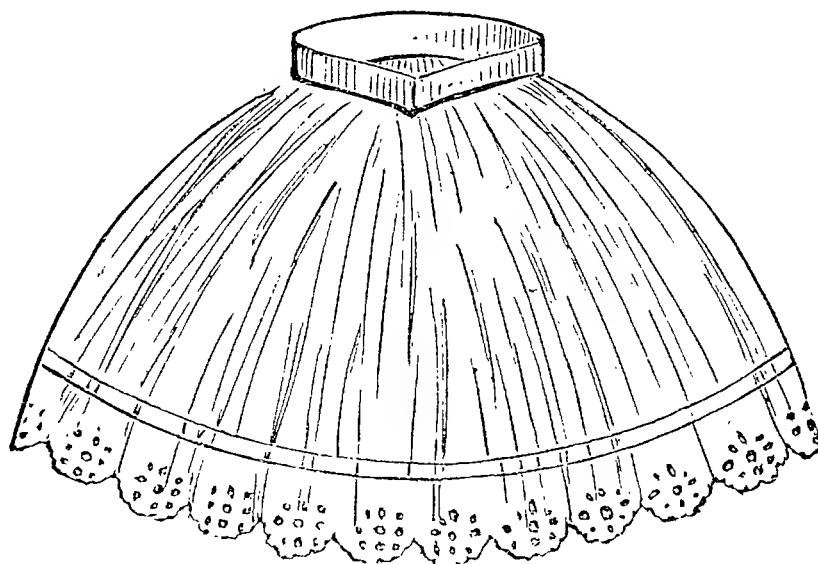


FIG. 1.

up together, leaving a small piece at the top for a

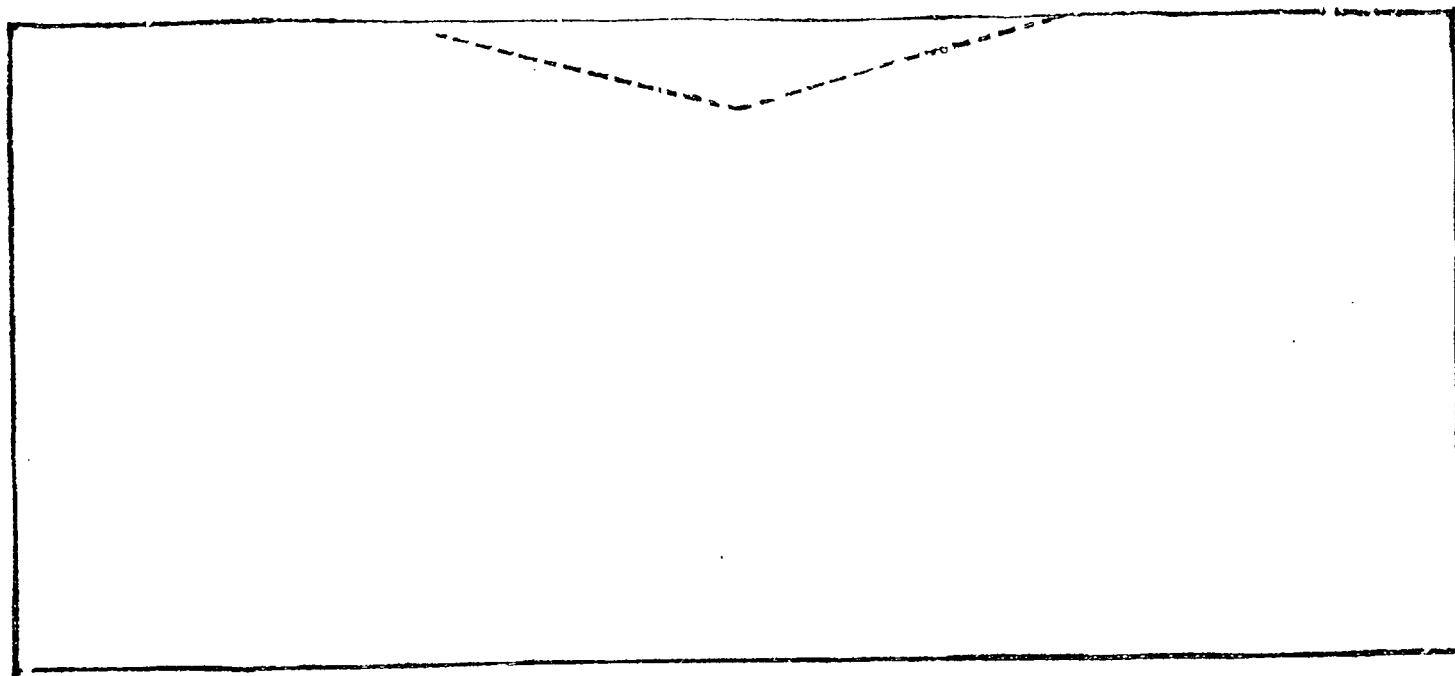
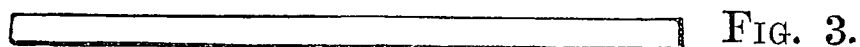


FIG. 2.

placket-hole, and hem it in the same manner as you did in the hoop petticoat; tack down as in the

drawers, and also tuck in the same way ; when you have done as many as you require, hem in some nice work at the bottom, and for the sloping of it do it a little more than in the other petticoat, fig. 2, and turn it in a little at the top. For the band, fig. 3, take a piece of the same material, and cut it a little larger



than the other, take it in a little in front, and make the button-holes the same as before ; turn the band in at the bottom, and tack it to keep it in its place. Gather the top of the petticoat as you did before, only as you have it turned in you will find it a little more difficult ; sew on the band strongly, and take the tacking threads out of it.

Petticoat Body (fig. 1). Take a piece of white

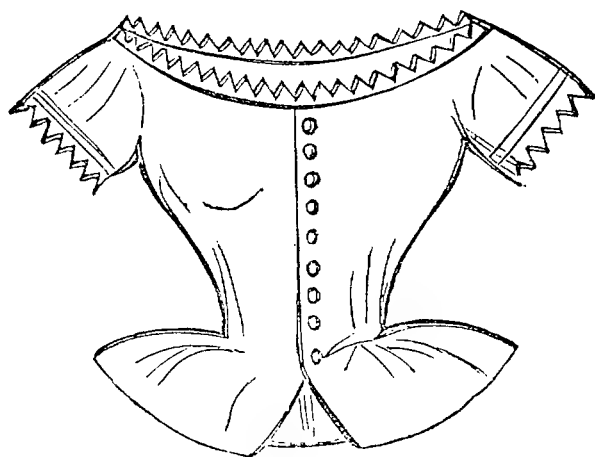


FIG. 1.

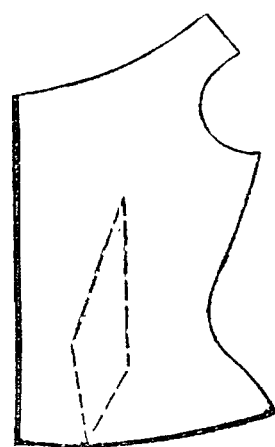


FIG. 2

calico of the same material as the white petticoat, and cut out two fronts of the shape of fig. 2 ; then cut out

part of the back, fig. 3, double the calico again, and cut out two other parts of the back to the shape of fig. 4, then back-stitch on the wrong side the dotted lines in the two fronts, fig. 2; stitch together the sides and middle of the back, figs. 3 and 4; now take one of the fronts, fig. 2, and back-stitch it to one side of the back, and do the same to the other front, and stitch the top of the arm-holes together; when

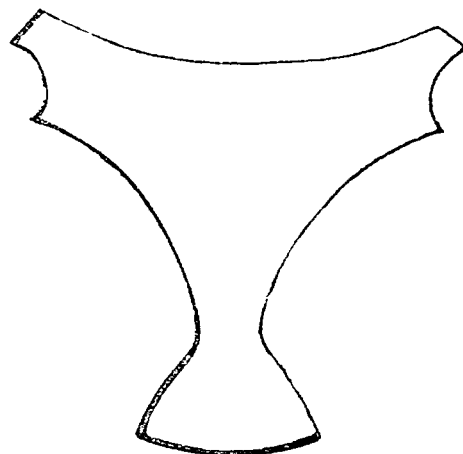


FIG. 3.

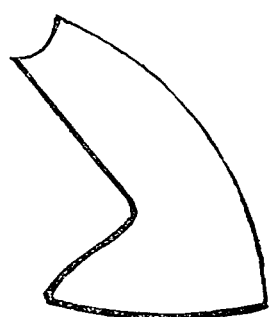


FIG. 4.

you have finished all the seams, cut off the rough edges, sew them over, or if you wish to make them look still neater, turn the edges in the same way. Then double a piece of calico and cut out a sleeve to the shape of fig. 5; cut out another one exactly the same, and sew them up as the seams, turn the fronts in, and, if you have not a selvage, turn it in and hem it neatly. Make as many small button-holes as you require, and the other side sew on the buttons as already explained in the stays. Cut some pieces of calico on the cross, and take some cotton cord and put it in between, and back-stitch it on the right side all round the jacket-



FIG. 5.

piece, also round the neck, turn the binding on the wrong side, and hem it neatly ; take another piece cut on the cross, and put the cotton cord in the same as before, tack it round the arm-holes, hem the bottom of the sleeves on the wrong side, stitch them in, cut off the rough edges, and sew it over. To give a finished appearance, sew on a piece of narrow embroidery round the neck and sleeves.

Frock (fig. 1). This can be made of jaconet. Take

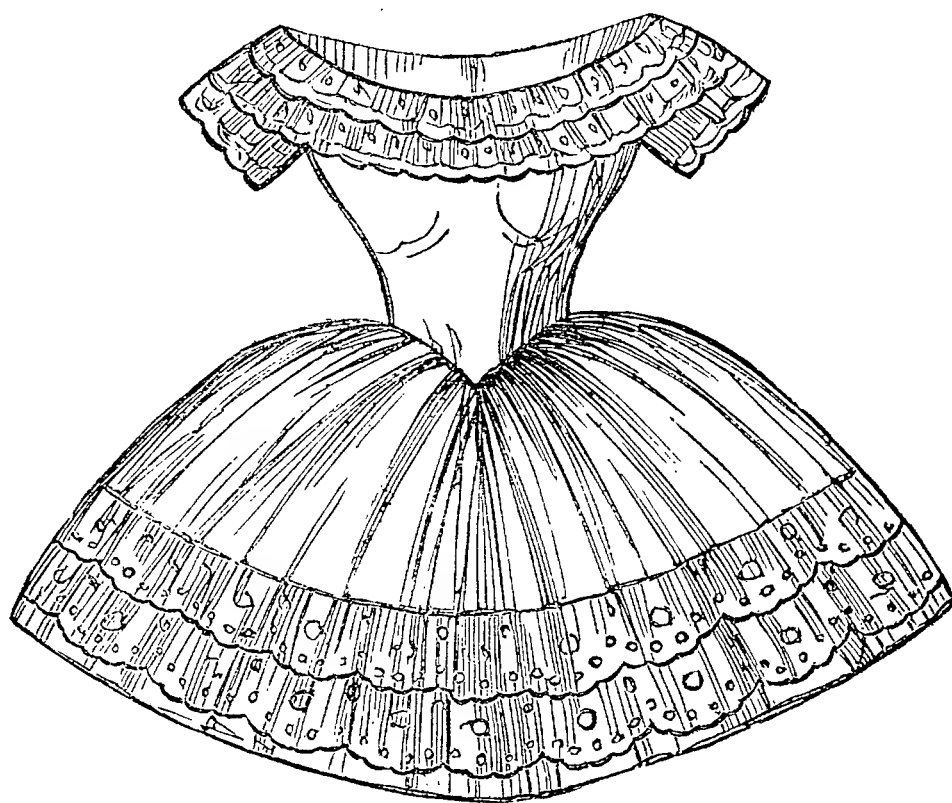


FIG. 1.

the size you require, double it, and cut out to the shape of fig. 2 ; fold another piece, and cut out two parts of the back to the shape of fig. 3, do the same

again, and cut out two more parts of the back to the shape of fig. 3 ; back-stitch on each side the dotted lines in fig. 2, and the same again for the two pieces of the sides, fig. 4, on to each side of the two parts, fig. 3. Then stitch the back and front together on

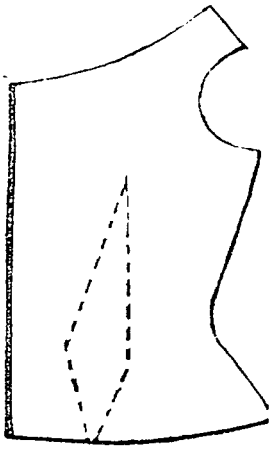


FIG. 2.



FIG. 3.



FIG. 4.

each side, cut the rough edges off the seams, and sew them over. Cut some of the same material, on the cross, and take some fine cotton cord, sew it round the bottom of the body and neck, as in the petticoat body ; cut some more jaconet on the cross, put some cord inside of it, and tack it round the arm-holes, double the stuff, and cut out two sleeves to the shape of fig. 5 ; hem them neatly at the ends and sew them up the same as the seams, and stitch them into the arm-holes. Take a piece of embroidery, and trim it round the neck and sleeves, as fig. 1.



FIG. 5.

Skirt (fig. 6). Take a piece of jaconet the size you require, fold it once, and cut it to the shape of fig. 6. Stitch the two ends together, leaving enough for the placket-hole, and do this as before described for the

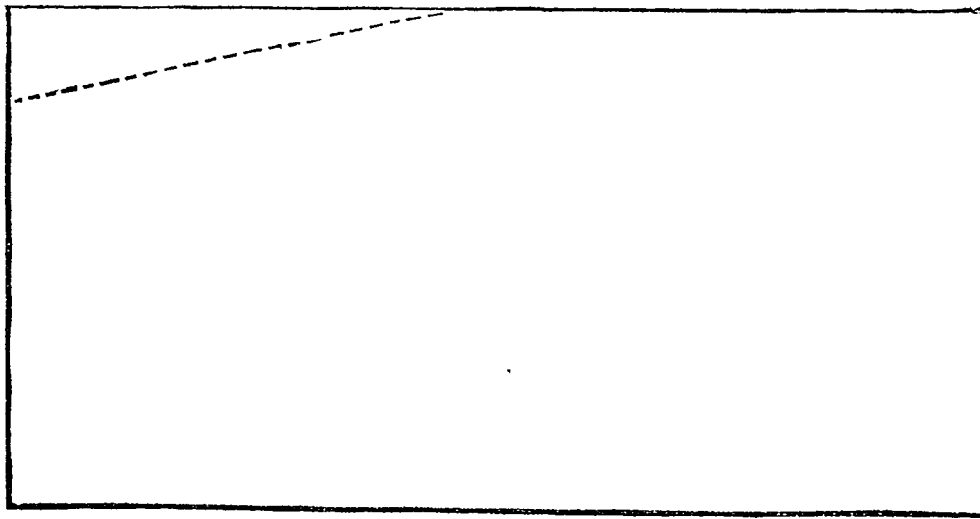


FIG. 6.

petticoats. Make rather a broad hem round the bottom, measuring it with a card, to keep it even, and then hem it; trim it with wider work, but of much the same pattern as the work on the body, forming either a double skirt or flounces. Slope out from the dotted line, turn it in a little, gather it up, and sew it on to the body, and it will come the same as fig. 1.

Pinafore (fig. 1). Cut out a piece of fine diaper, doubled once to the shape of fig. 2; run and fell in a piece of insertion between the top of the shoulders, hem the bottom and backs neatly, and also the top; run a piece of tape through it, and sew on a small

button, with a corresponding button-hole about the

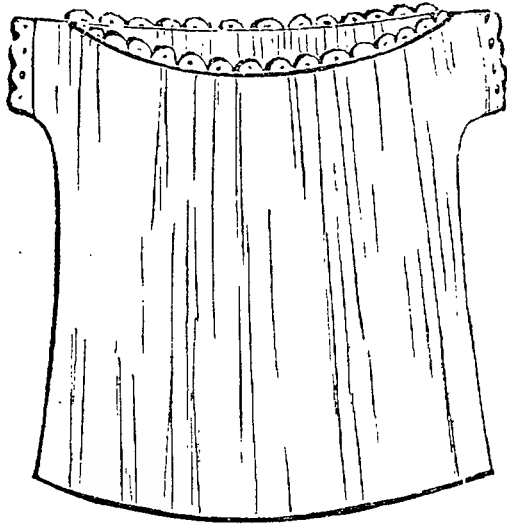


FIG. 1.

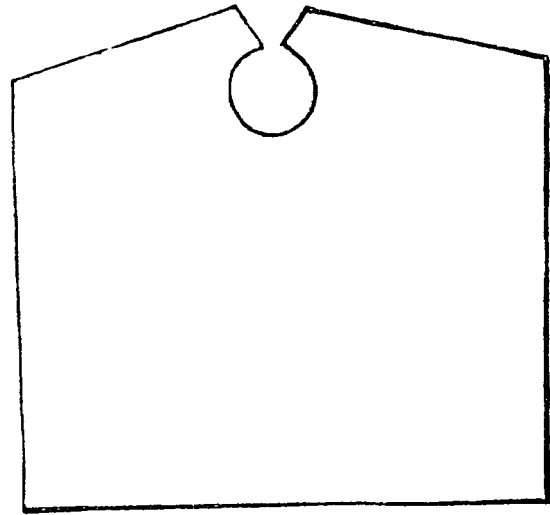


FIG. 2.

waist. Sew on a narrow piece of embroidery round the arm-holes, and your pinafore will be finished.

Cape (fig. 1). Fold a piece of Marcella once, and

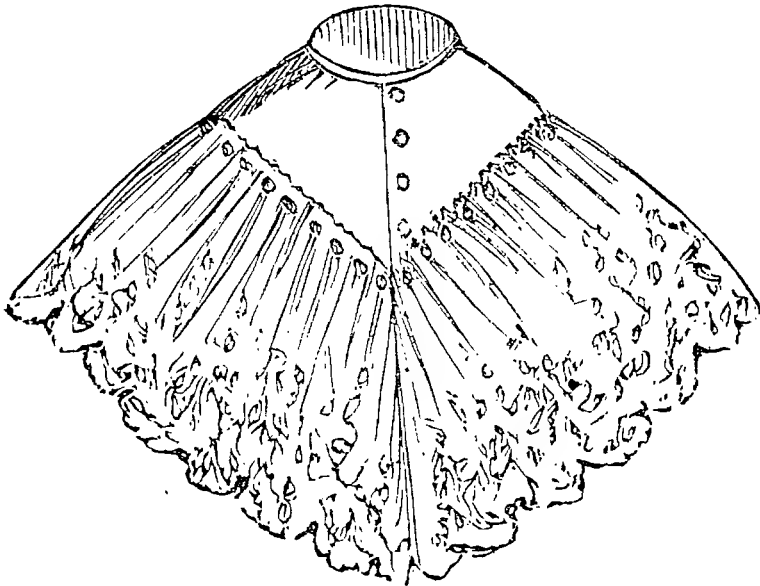


FIG. 1.



FIG. 2.

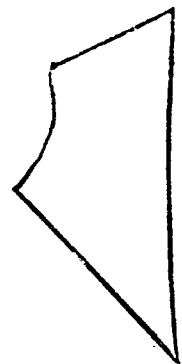


FIG. 3.

cut out a back the shape of fig. 2 ; fold it again, and cut out two fronts the shape of fig. 3. and back-stitch

firmly together the two fronts on to each side of the back, putting the narrow sides together; cut off the rough edges and sew them over, procure some fine plain braid, and bind round the bottom neatly, turn in the two fronts, and make three button-holes, or four, if the doll be large, and the same number of gilt buttons on the opposite side; then bind round the neck neatly. Take a wide strip of embroidery, the proper length from the shoulders, gather it up, and sew it on to the bottom. Get some white bally fringe, and sew it neatly all round the bottom of the shoulder-pieces.

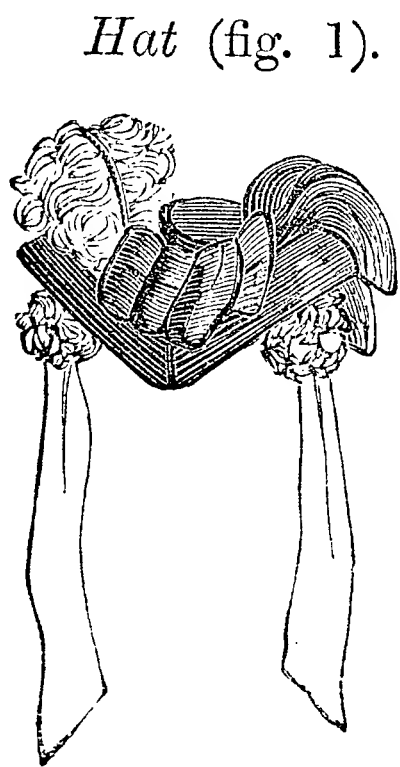


FIG. 1.

Hat (fig. 1). The shape may be made of black stiff net and black wire; cut it out as fig. 2 for the crown, and cut through the four straight lines up to the dotted one, and bend the latter down, then make into a round by creasing the sides where they are cut through, and tack them to-

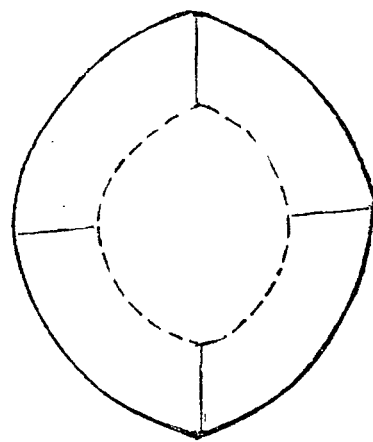


FIG. 2.

gether with black thread. Procure a piece of black silk velvet, and cut it the size of the round of fig. 2,

and it will form fig. 3. For the brim cut out of the same net the shape of fig. 4, and cut out the round hole for the crown, and through the black lines at the top and bottom, turn up the dotted lines, and tack round inside of them a thin piece of wire, then fold over the top

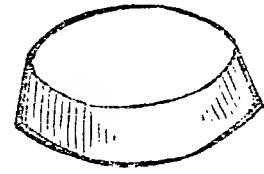


FIG. 3.

and bottom, where it is cut through, and sew the sides together. Cut a piece of black silk velvet on the cross, and shape it from the dotted lines to the circle in the middle of fig. 4, and tack it under the brim of the hat; cut another strip of the same velvet on the cross, and bind the whole of the edge of the brim very neatly. Put in the crown, and fix it to the brim by sewing it all round, and the rough edge with a

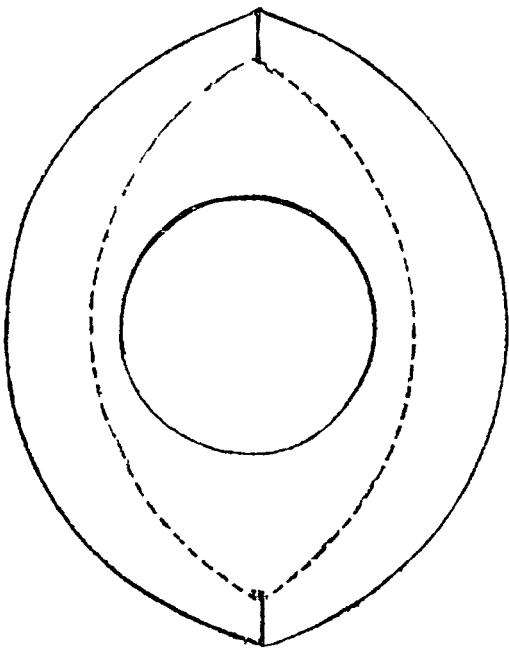


FIG. 4.

small piece of sarsenet ribbon, lining the inside of the crown with Persian silk, and it will form fig. 5. Get a small white ostrich feather,

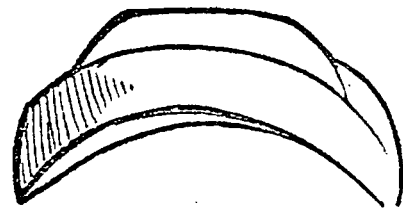


FIG. 5.

rather long, and tack it inside of the brim on the top of the hat, carry it to the back, fasten it there, and

allow it to hang over a little ; cut some more strips of black silk velvet on the cross, and make up a nice large bow upon black net, and ends of the same ; but before making up the velvet, it should be hemmed all round. The strings must be pink ribbon ; the rosettes can be made of pink and black velvet arranged upon black net.

Night Dress (fig. 1). This is made of calico, but it



FIG. 1.

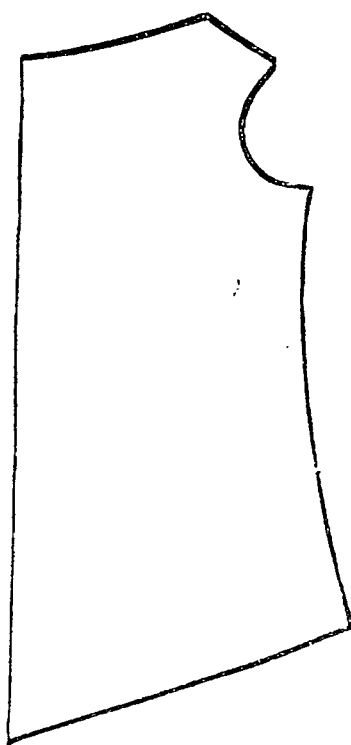


FIG. 2.

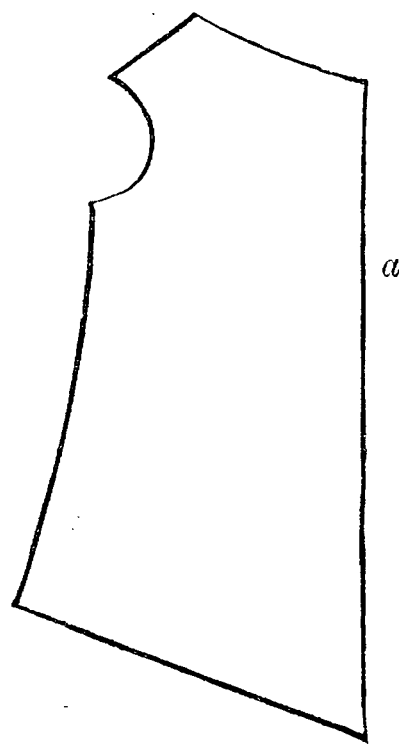


FIG. 3.

need not be quite so fine as the white petticoat ; double it the size required, and cut it to the shape of fig. 2 for the front ; double another piece for the back, cut to the shape of fig. 3, and cut down as far as *a* ; then cut out two bell sleeves the shape of fig. 4, run and fell

the sides of back and front together up as far as the arm-holes, and the same upon the shoulders; do the placket-hole the same as in the skirt of the frock, and make a rather broad hem round the bottom; now run and fell up the sleeves, gather them up neatly at the ends; make a band large enough to slip over the hands of your doll, back-stitch it, and put the gathering into the band, fig. 5, and do the same

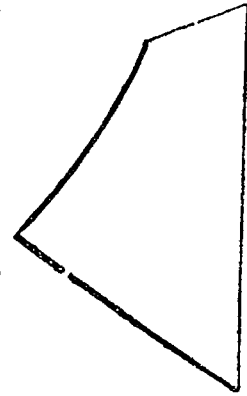


FIG. 4.

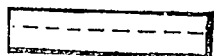
 to the other sleeve; cut some calico on the

FIG. 5. cross, put some cotton cord in the inside of it, and tack round the arm-holes; then back-stitch in the sleeves, putting them rather further in than usual, and hem them inside the night-dress; gather the top up, and make a band the size of your doll's neck, and put the gathering in as you did the sleeves. Get some narrow embroidery and put it round the neck and sleeves, placing it both at the

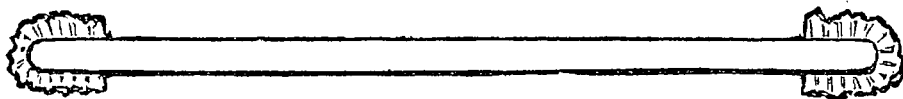


FIG. 6.

top and bottom of the band, and sew some tape on for the strings round the neck; then make a wider band, long enough to tie about the doll's waist, and round it at each end, and make a frill of work round each end as fig. 6, then back stitch it to the middle of the front.

BED.

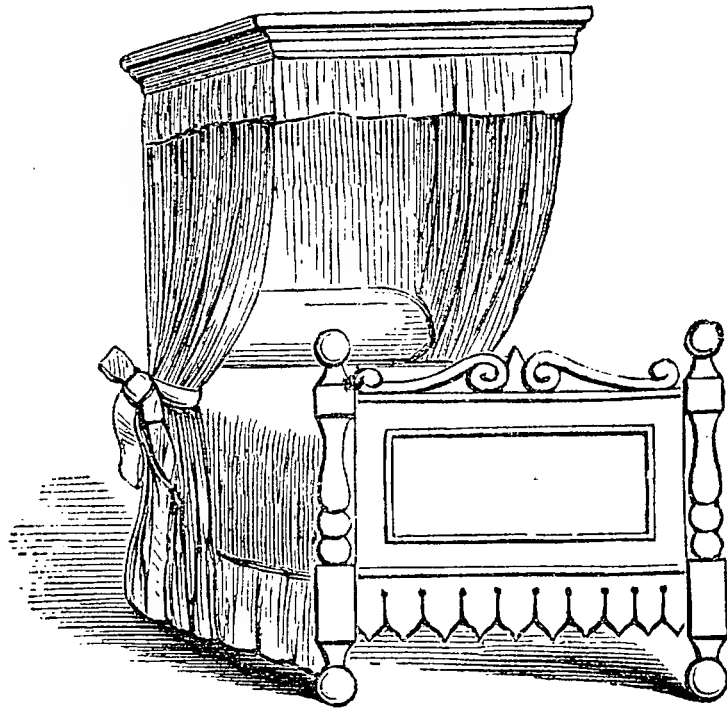


FIG. 1.

THE frame-work must be first cut out of cardboard according to the following directions; the size of course must depend upon your own taste and fancy. If, however, you wish to make it complete, it ought not to be less than four times as large as the patterns here given, taking care to keep the various parts in proportion.

Commence by cutting out fig. 2; this will form the legs, back, and canopy. The small holes must

be cut out with a penknife, and the dotted lines *half through* on the back of the card, and turned over to

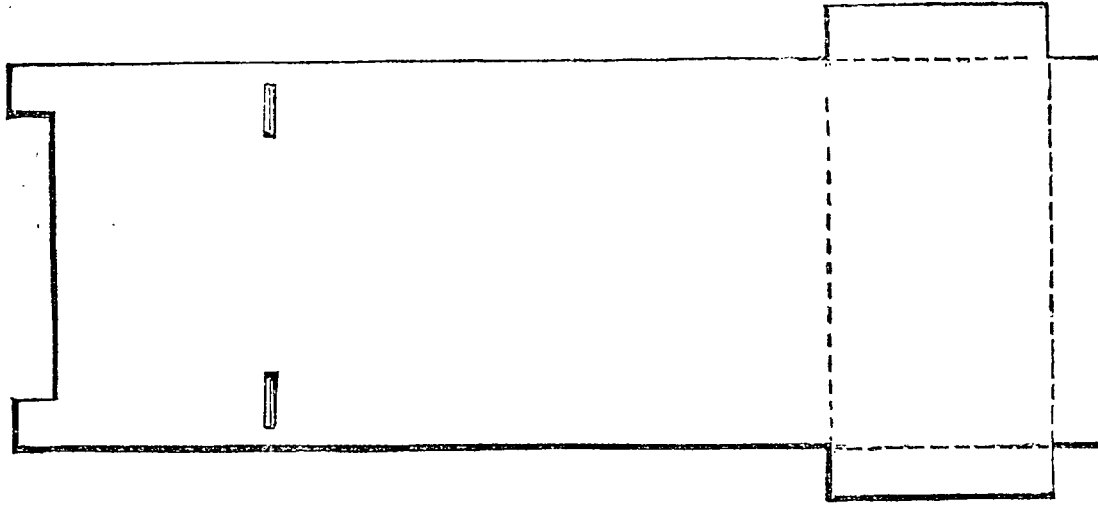


FIG. 2.

the shape. Fig. 3 being cut out will make the bottom and sides, the end pieces being cut out with a penknife, and the dotted lines being cut *half through* on

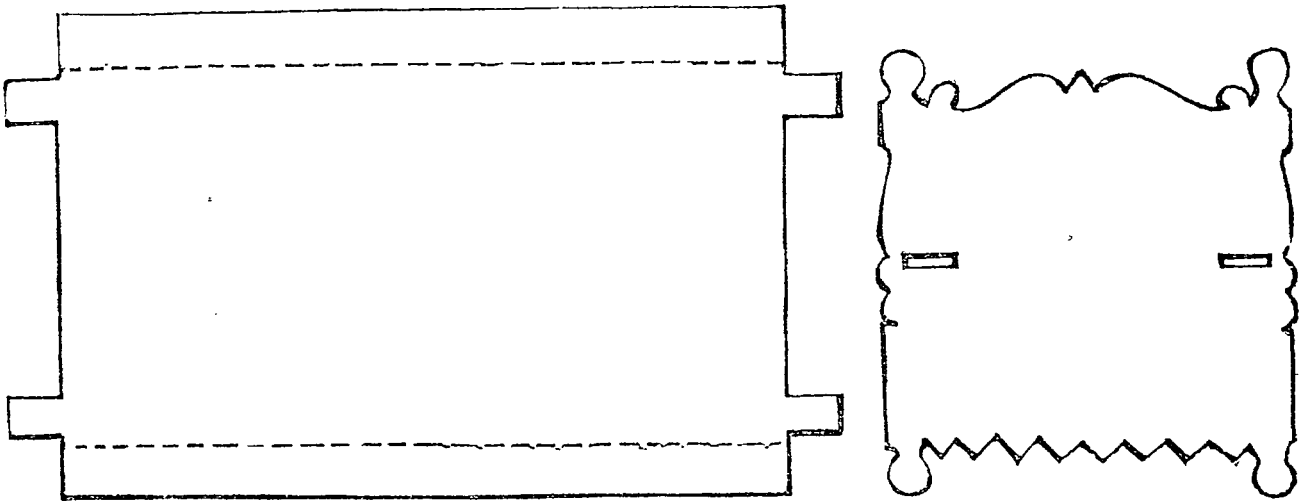


FIG. 3.

FIG. 4.

the front of the card, and the sides turned downwards. Fig. 4 is the footboard, which must be cut out in the usual manner, using a penknife for the small holes.

Before putting the whole together it will be as well to make a cornice for the top, which will give a finish to the bed. Cut out the shape, fig. 5, and quite through the black lines in the corners, and *half through* the dotted lines at *a* on the front of the card all round, and

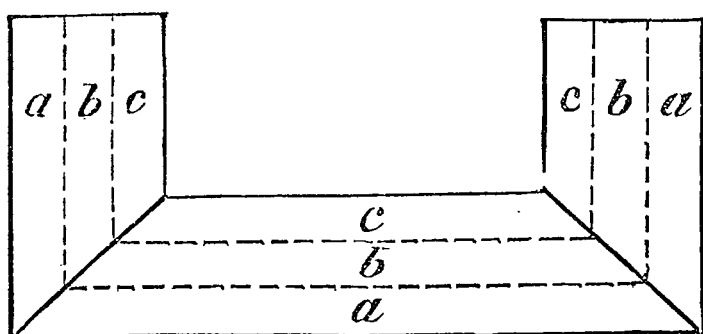


FIG. 5.

at *b* on the back the same, bending each over the reverse way; then gum or paste the ends, *c*, on to the front and sides of the top of

the bed. If you wish to paint the cardboard it should be done before fixing the various portions together. Having completed and joined the whole of the framework, you can proceed with the furnishing. Take some pink glazed calico, and cut a covering for the



FIG. 6.

inside of the top of fig 2, and the shape of fig. 6; cut out, the same size and form, a piece of lace, put it over the pink, and tack them together inside the top of the bed. The same must be done for the lining and covering for the inside of the shape of fig. 7, and tack them on to the back of the bed, fig. 2. Cut out another piece of glazed calico for the curtains to the shape

of fig. 8, cover this with lace the same as the top, put down one side, and at the bottom a piece of lace, frill it on as in fig. 7; this will make one curtain. Make another exactly the same. Gather each up at the top, and tack them on, one at each side of the canopy. Then take a strip of pink glazed calico and of lace the same size as fig. 9, frill

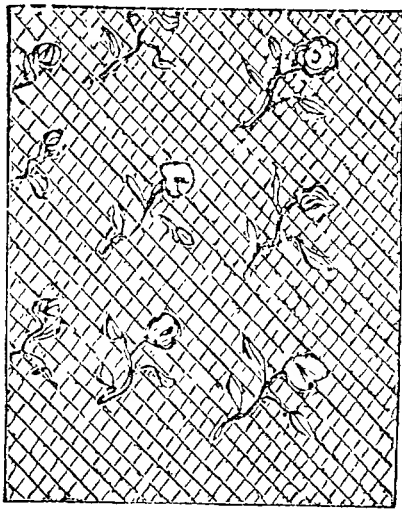


FIG. 7.

on this a piece of narrow lace, the same as the curtains, putting it round the bottom, gather it up at the top, and tack it round the sides and front



FIG. 8.

of the canopy of the bed. For the valances round

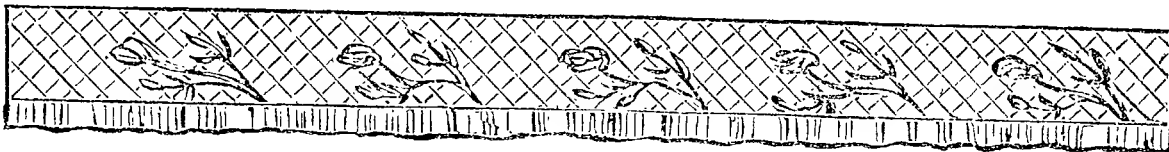


FIG. 9.

the bottom take a piece of white dimity, and cut it the shape of fig. 10; hem it round neatly at the foot

and sides, gather it up at the top, and sew it upon one side of the bed ; the other side must be done in

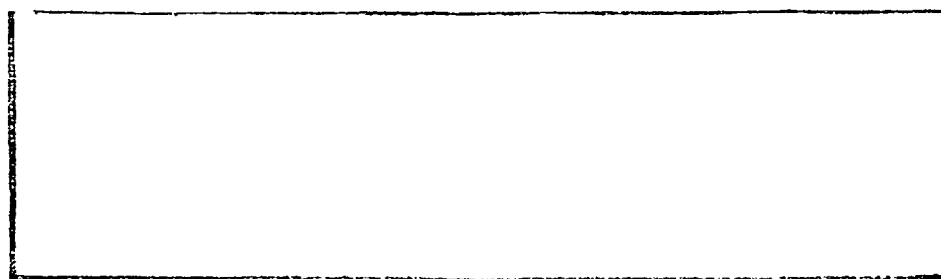


FIG. 10.

the same manner. For the foot of the bed cut out in the same material the shape of fig. 11, hem, and gather

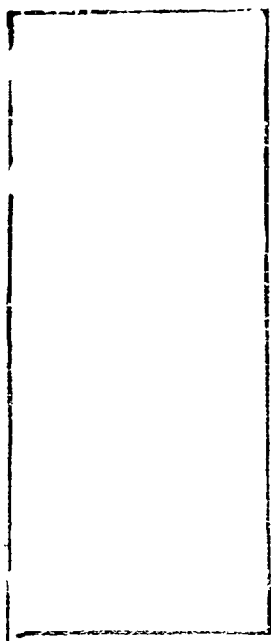


FIG. 11.

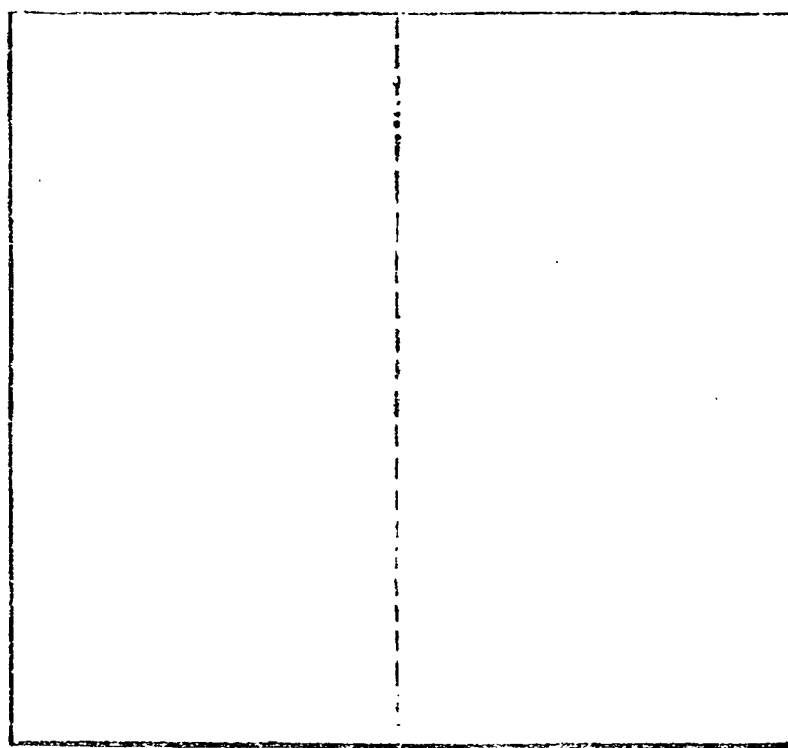


FIG. 12.

it in as the sides, and tack it inside the foot of the bed ; this will complete the furniture.

For the bedding, take a piece of strong calico

and cut it out to the shape of fig. 12; double it at the dotted line, sew it together all round, except the top, turn it on the right side, and stuff it with feathers; fold in the top and sew it over neatly. The bolster can be made of the same material, the shape of fig. 13; run and fell the two sides together, and cut out for both ends two small rounds, fig. 14, and sew

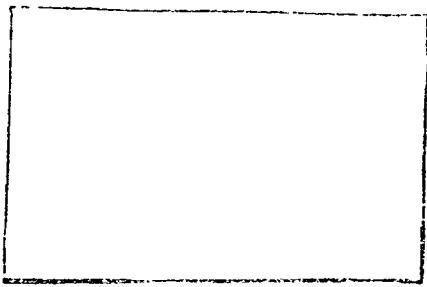


FIG. 13.

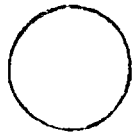


FIG. 14.

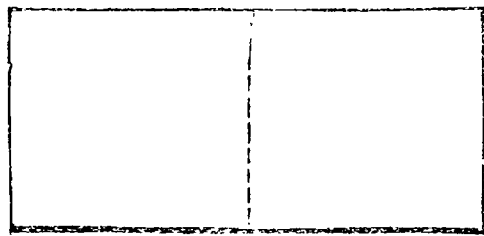


FIG. 15.

fig. 13 to one of these, turn it on the right side, and fill it with feathers, then sew on the other round. The pillow also may be made of the same sort of calico, and the shape of fig. 15; double this at the dotted line, run and fell it all round, leaving a hole to put in the feathers; when this is done, close it up. The pillow-case must be made of much finer calico, cutting it out

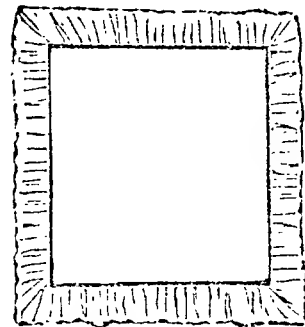


FIG. 16.

the same shape, only a trifle larger than fig. 15, to allow it to slip over; this must be also double, run and felled together, leaving one end, which must be

hemmed round, and have three buttons and button-holes added ; then take a piece of lawn and frill it all round the case, as in fig. 16. The two sheets must

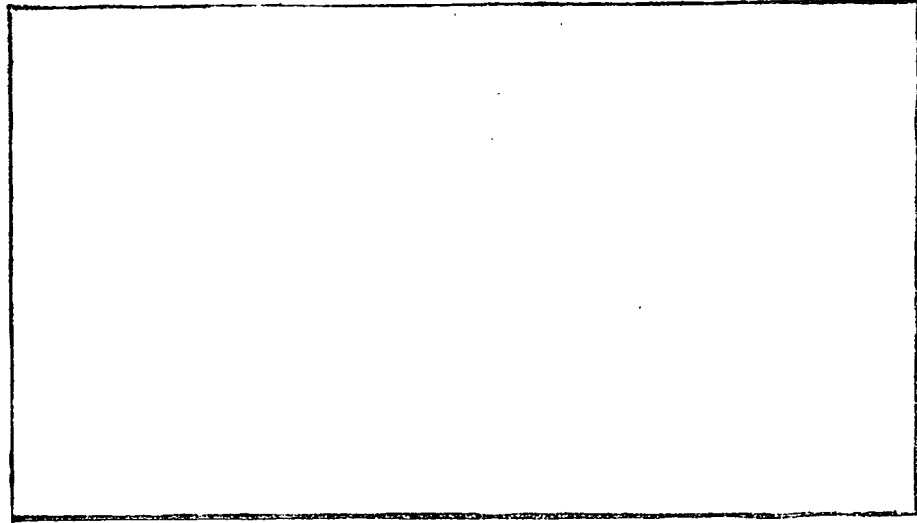


FIG. 17.

be made of linen, and cut out the shape of the pattern, fig. 17, and hem them neatly all round. The two blankets must be made of flannel ; button-hole them

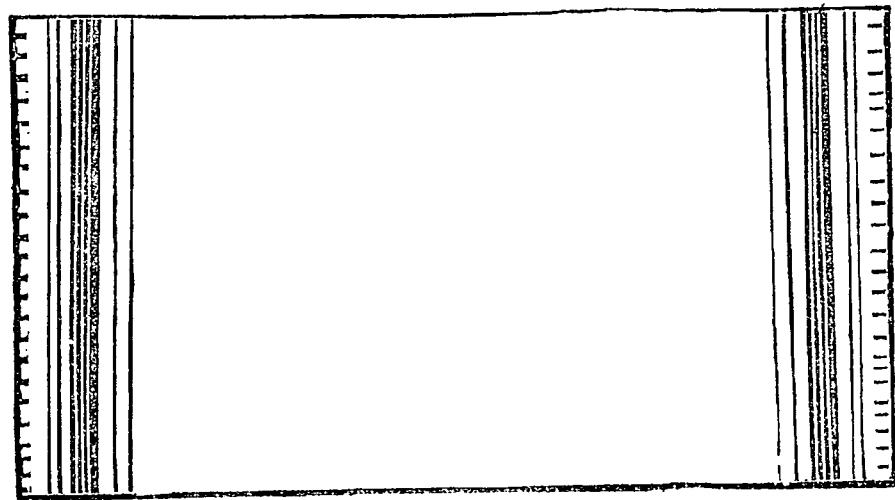


FIG. 18.

at each end with red worsted, then with dark blue run in and out to form strips as in the pattern,

fig. 18. The counterpane ought to be made of soft marcella; and to imitate other counterpanes, sew over

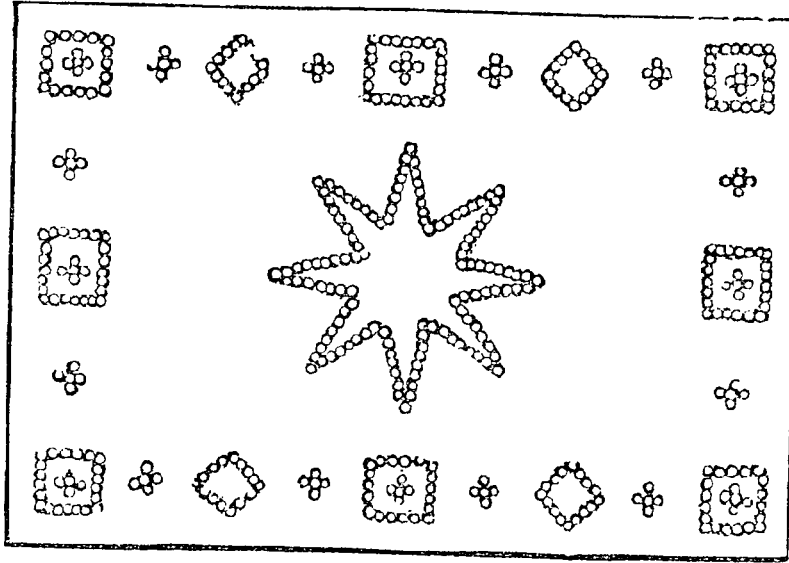


FIG. 19.

with embroidery cotton so as to form the pattern, fig. 19, and bind it neatly round with braid.

Any other pattern of bed may be done, following the same directions, only taking care to keep the various parts in proportion, and also in making the furniture and bedding.

BASSINETTE.

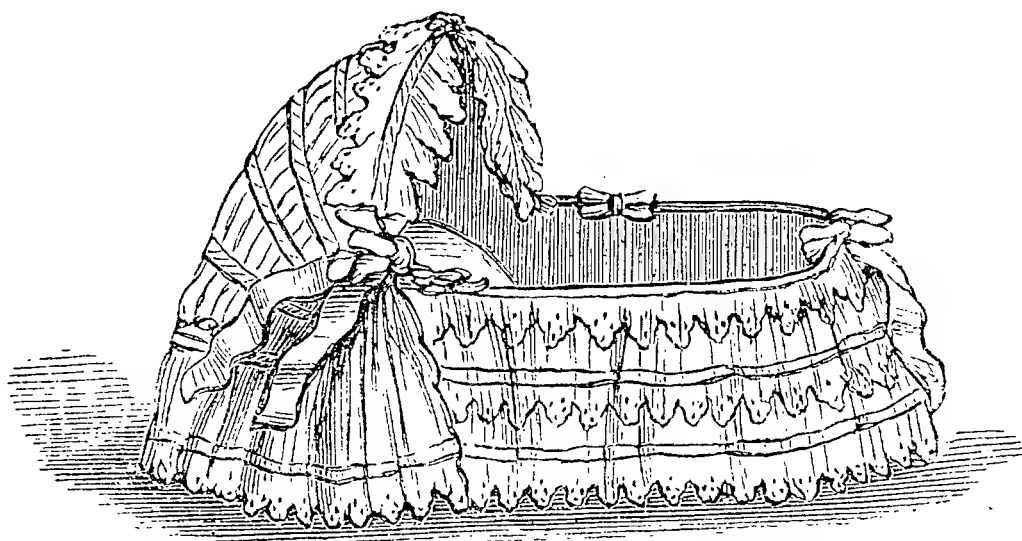


FIG. 1.

To make the frame-work of this, take a piece of cardboard, and cut out the bottom, fig. 2; take another strip of cardboard, cut it out the shape of

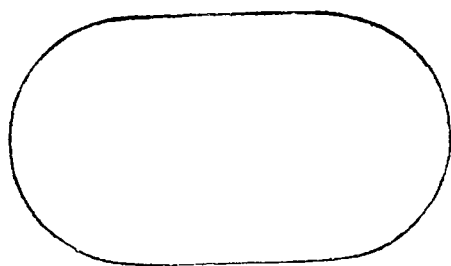


FIG. 2.

fig. 3, and cut half through the dotted line on the front of the card, split with a penknife the outside pieces, turn round the long strip, and fix them under the bottom of fig. 2; the sides of the bassinette may be joined together with a piece of thin paper over each end.

The two rockers must be cut out to the pattern.

fig. 4, the upper portion of the card split down to the dotted line, and fixed to the bottom. The

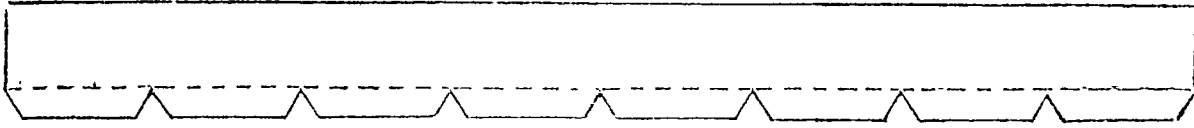


FIG. 3.

three ribs for the top must be cut out to the shape

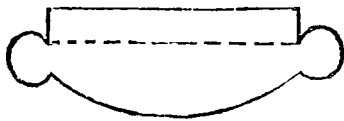


FIG. 4.



FIG. 5.

of fig. 5, bent over, and the ends fastened with a little gum.

The framework being now complete, take a piece of light blue or pink glazed lining, cut this to the shape of the inside, and cover the ribs with the same ;

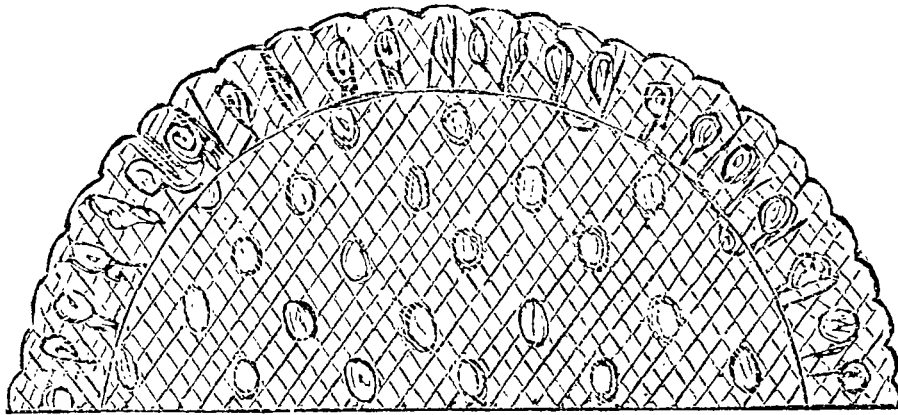


FIG. 6.

put over this lace, then a frill of lining round the outside, and also cover these with a frill of lace not farther than the ribs, and put a piece of quilled ribbon

round the edge. Then cut out the shape of fig. 6 for the top, first cutting out the same figure in glazed calico, putting it under the lace; tack the straight edge, round the first rib, not gathering it at all, and do the same with the other two ribs, gathering it a little as you proceed. The ribs must be covered with quilled ribbon. For the curtains take a rather broad piece of lace, and cut it to the pattern, fig. 7. Catch

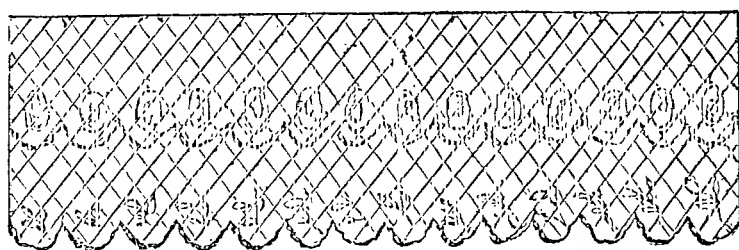
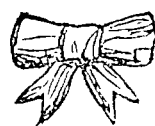


FIG. 7.

it up in the middle with a bow made as fig. 8; tack down the sides, and catch this up



at each end with similar bows, but with much longer ends, and also another bow at the foot.

For the bedding of the bassinette, commence by cutting out of strong calico the feather bed, fig. 9; double over at the dotted line, and back-stitch it together all round, except the top; turn it on the right side, and stuff it with feathers or wadding, and when quite full, turn in the top a little, and sew it over neatly. For the pillow, take a piece of the same material, and cut it out to the shape of fig. 10; double it over at the dotted line, stitch it together,

and fill it in the same manner as already explained. For the pillow-case take a much finer piece of calico,

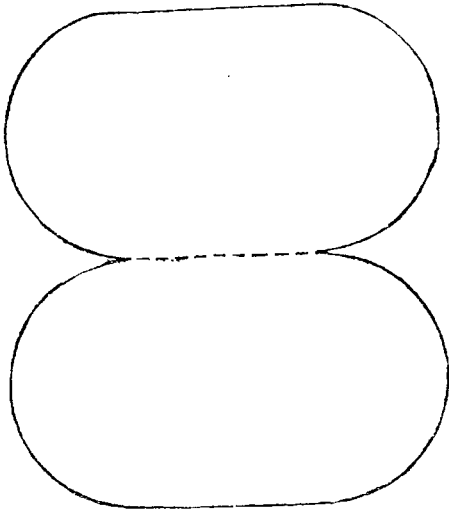


FIG. 9.

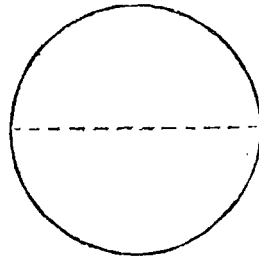


FIG. 10.

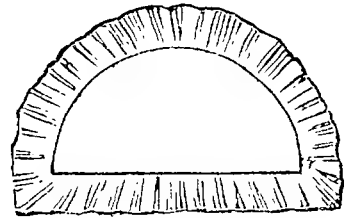


FIG. 11.

and cut it the same shape as fig. 10, only a very little larger, to allow it to slip over the pillow ; cut through the dotted line in this, run and fell round the curve, and hem where you have cut through the dotted line, turn it on the right side, and sew three small buttons on, also button-holes, and finish it off by putting some lawn frills all round the pillow-case, to make fig. 11. For the sheets, cut out of fine calico the shape of fig. 12, leaving one square at the corners, and without frills for the bottom one, and hem it ; for the upper sheet round it at the top, as in fig. 12, and hem this also ; frill a piece of lawn on to the upper part which is to turn over. The blankets must be made a little less than the sheets, and in the same manner

as already described in the bed. The counterpane can be made of a small pattern marcella, and the shape of fig. 13; sew round it a piece of work, which will finish the bassinette.

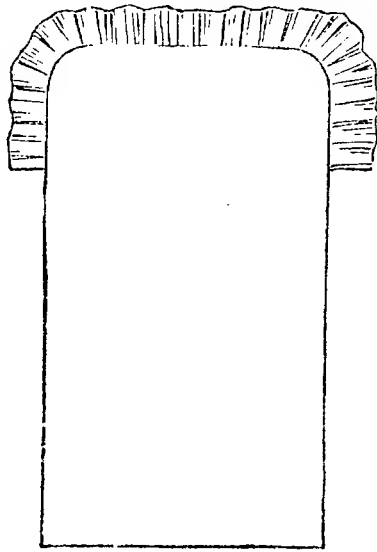


FIG. 12.

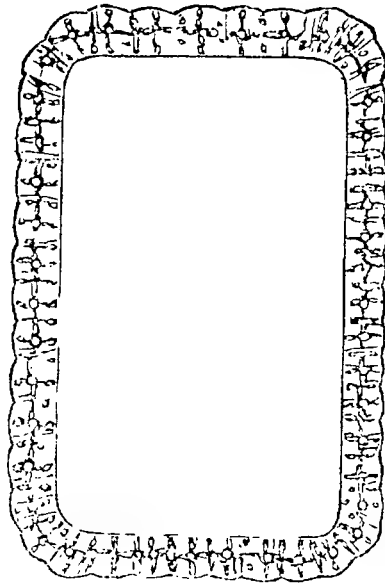


FIG. 13.

This, like the bed, may be made any size, taking care to keep each part in proportion, as well as the bedding, &c.

Ornamental Toys.

UNDER this head will be found several useful and amusing objects, which if carefully made will be well worthy of the time and trouble bestowed upon their production. You may make ornaments to embellish your own homes, or suitable presents to friends, with very little application, and soon be able to apply your leisure time to a satisfactory and pleasing result. To distant friends there cannot be a more appropriate or gratifying souvenir of affection than a small object made by the hands of those we love and esteem; and we hope our young friends will find variety enough in our pages to assist them in this desirable pursuit. The more original, however, the greater the merit in the production, and we must again recommend our young readers to endeavour to think and invent subjects for themselves; by so doing it will exercise their powers of invention, observation, and application.

SPILL HOLDER.



FIG. 1.

THIS is most easily made by cutting out the head, body, and arms of one of the figures in a plate of fashions, taking always a front view, and leaving about an inch below the waist, to gum or paste on to the skirt: this must be made of stout paper, or

thin cardboard the shape of fig. 2, and the length in proportion to the body; fix the upper part on the inside, and gum the two sides together. Procure two sheets of tissue paper, pink and white; cut eight strips, four white and four pink; scallop the bottom of these out, and gum them on to the cardboard alternately, making the flounces up

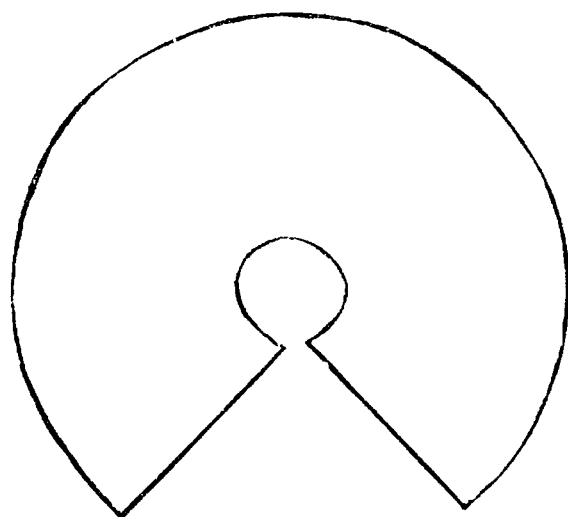


FIG 2.

to the waist, the hole in the back being left to receive the spills. The cardboard may also be covered with a silk or muslin skirt, or dressed in any other manner which your taste may dictate.

SPILLS.

THESE are made principally for show, although the avowed purpose is for lighting cigars, lamps, &c. There are many different ways of making them, a few examples of which are as follows:—

Cut different coloured papers into strips about ten inches long and half an inch broad; curl round be-

tween your finger and thumb, commencing at one corner, till you have done two-thirds up ; twist it round, not to allow it to come undone ; cut the remaining portion in two, lengthways, and with a pen-knife scrape the ends over your thumb quickly, which will cause them to curl, and when done will look extremely pretty as they hang over.

Another kind is made by cutting papers about an inch and a half or two inches long into the shape of feathers, and then feathering the edges by very fine cuttings, rolling them round your finger to make them curve gracefully ; then tie three or four of them upon the stem you have previously prepared, and they will droop over as required.

Another plan is to double a strip of paper about an inch wide ; cut it across the width into fine rows, beginning at the double edge, and leaving about half an inch uncut at the opposite one. These are wound round and round small rolls of paper, prepared for the purpose, and are very effective. A pleasing variety may be made by using two papers of different colours and widths on the same stem, or gold paper and white wound together have a very pretty appearance

DANCING DOLL.



FIG. 1.

DRAW the face, hair, and shape of fig. 2 on card-board, colour it, and cut it out carefully ;

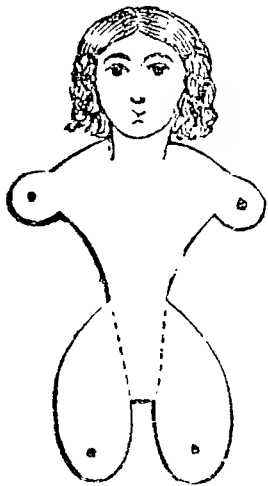


FIG. 2.

board, colour it, and cut it out carefully ; pierce with a pin the four holes, and cut *half through* the dotted lines on the face of the card, and bend the sides backwards. Cut out the two arms the shape of fig. 3, piercing the holes as already described, and colour them. Then cut out the



FIG. 3.

two legs the shape of fig. 4 ; again pierce the holes,

paint the stockings pink in imitation of silk, and the boots blue or pink, according to the colour of the dress.



Take a piece of thread, make a knot at one end. and the other must be inserted through the hole at the shoulder, and the one at the top of the arm, make another knot at the back of

FIG. 4. this, to allow the arm to move, and do the same with the other arm, and also the legs. Cut out another piece of cardboard of the shape of fig. 5, for a support for the dress, &c.; put this round the waist of the doll, and fix it with gum. Procure a piece of white tarlatan, and make a double skirt or flounces, and gather the top

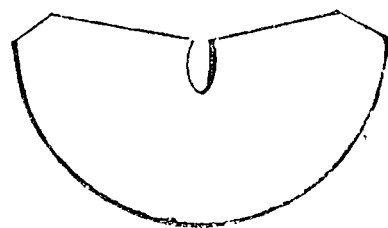
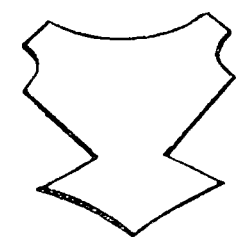


FIG. 5.



of it round the waist of the doll, but before doing so put under this a pink or blue silk slip. Then cut out two of fig. 6, and the same material; gum one back and front on the body of the doll; then fix over these a piece of tarlatan the same shape. Next take four

FIG. 6. bristles, about an inch and a quarter in length, and gum one end of each on to the inside of the card, forming the skirt; place them at equal distances apart and allow them to dry. Making a few of these in the same manner, and placing them upon

rather a thin piece of cardboard, and by gently tapping this with a pencil or your fingers they will dance about in a very amusing style to any favourite tune.

FATE LADY.



TAKE a piece of pasteboard about twelve inches square; draw a circle upon it, and cut it out. The outside edge should be coloured or bound round with gilt-edged paper. The flat surface must then be ruled, all the lines meeting in the centre; in these the mottoes are written, taking care to draw a distinct line in red or

black ink between each. Insert a wire exactly in the centre of the circle, and on it fasten a neatly jointed dressed doll, altogether not more than five or six inches high. In one hand fix a small wand, pointing towards the motto beneath her. The wire can be made steady by fastening it in the centre of any common round box, covered and bound to correspond with the other portions. The doll must be just high enough above the pasteboard to turn about freely. When you wish to tell a fortune, turn the doll round rapidly, and when she stops read what her wand is pointing to.

Mottoes similar to the following will do for the stand ; they are from "Lines to a Fate Lady," by Mrs. Ann Maria Wells :—

1.

The fairy lady seals your doom,
In that blest spot—your own kind home.

2.

Emma an heiress shall come out,
And shine at ball, and play, and rout.

3.

Ah ! lady, you may well look sad !
Lucinda's fate is very bad.

4.

Nay, wise one, never look demure ;
You're not too modest, I am sure.

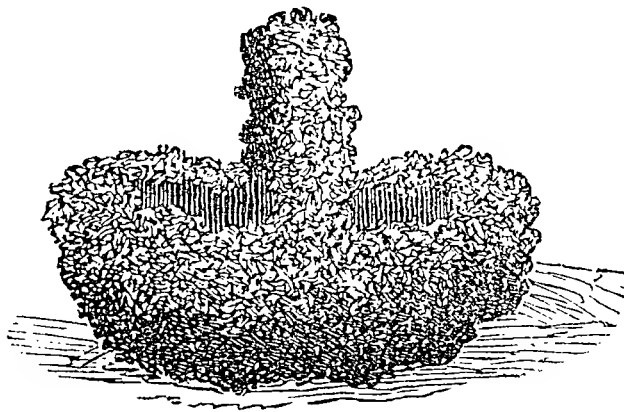
5.

Possess'd of talents, virtues, grace,
Her poorest charm 's her pretty face.

6.

Two dunces her first friends shall be,
Herself the dullest of the three.

MOSS BASKET.



THE form of this basket must be first cut out of pasteboard, any shape, according to your taste and fancy—either round or oval, and with or without a handle. The best way is to cover the outside with light green paper, which prevents any of the small

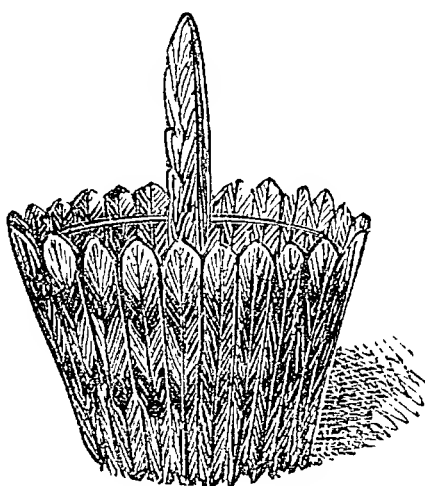
interstices among the moss shewing. The inside ought to be neatly lined ; dry mosses of different colours and every variety may be put together, and produce a very pretty effect.

The handle must be sewed on the outside before it is covered by the moss. This can be done either by sewing the moss on, or fastening it with thick gum-water, paste, or glue. Unravelled worsted of various colours, sewed on thickly in bunches, makes a very good imitation of moss baskets ; where it is knit on purpose it should be washed, and dried by a gentle heat, to keep it curled. The bunches must be made of different shades and colours, and so mingled in as to avoid any striped or spotted appearance ; green, light blue, and brown, are good colours, and a little black and white may be appropriately introduced with good effect.

Miscellaneous Toys.

UNDER the above heading will be found some practical descriptions and illustrations for many useful articles in toy-furniture and household decorations. Bearing in mind that our object in writing this little work is not only to amuse our young readers in their hours of leisure, but convey some useful information in a way likely to be most acceptable, by giving such simple objects as are easily made, and when completed are worthy of preservation. Amid the universal dissemination of knowledge it is absolutely necessary for every one to learn to be useful; for we never can know too much, and in this land of precarious fortunes, the knowledge of common things has lately been acknowledged to be a great desideratum in popular education. Our desire is to give as great a variety of subjects as possible, consistent with the title and objects of the work, and such as girls can make, at the same time employing themselves in a pleasing and agreeable manner.

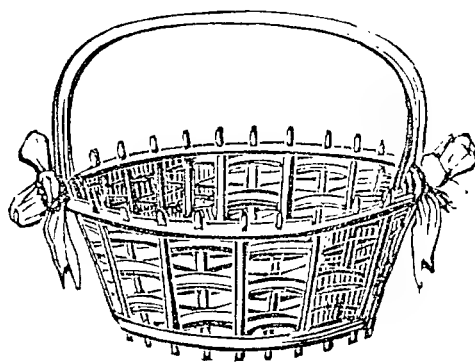
FEATHER BASKET.



THE bottom of this must be made of cardboard, cut to any shape you require, and the edges perforated with small holes. Having procured the most beautiful feathers you can find, cut off the quill part leaving a small portion, and taking care to cut them perfectly even, so that the basket will stand firm. Pass the quill ends of the feathers through the holes in the card, and for the top bend a piece of wire into the same shape as the bottom, but rather larger, and fasten the feathers to it at regular distances, the wire being first bound round with coloured sewing silk. The handle may be made of either wire or

cardboard, and covered with small feathers, and the bottom lined with gold paper. A butterfly or a bird, painted on rice paper, may be added to give extra finish to the whole.

STRAW BASKET.

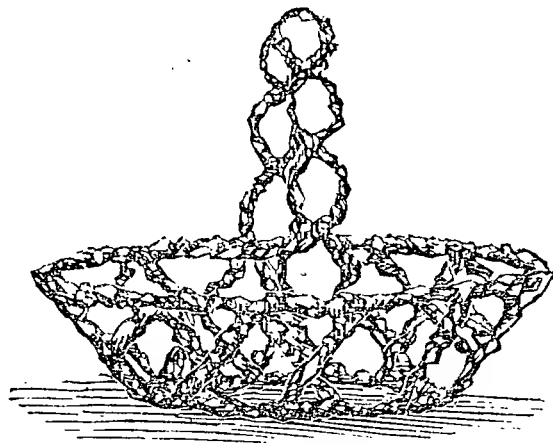


CUT a circle out of a piece of cardboard, the size you require your basket. The bottom must be solid, with holes at equal distances for the reception of the straws. The top must be cut out of a larger circle, but instead of the card being whole as in the bottom, the inside is cut out, leaving not more than half an inch wide all round; this is also pierced with a corresponding number of holes to the bottom, through which the upper ends of the straws are fixed. You must take care to have an even number on each, or when you pass your paper or ribbon in and out, two straws will

come together. Having procured a bundle of straws of the same size, cut them all the length you wish the height of your basket to be, using sharp scissors, and handling them carefully, that they may not be broken or split. Having fixed the straws in the holes both in the top and bottom, if you find them a little loose they may be fastened with gum ; about half an inch of the straw must be left at each end. Cut a number of slips of coloured paper, all exactly the same width, and pass them, alternating the colours, over and under each straw, like ordinary basket-work, taking care that that which is passed over one straw in one row must be under it in the next, and so on till it is finished ; if preferred instead of coloured paper, narrow ribbon can be used. The handles may be made of cardboard to correspond ; and bows of ribbon added to conceal the fastening of the handles, the edges of the paper being either bound with gilt paper, or in any other way you prefer.

To make these properly requires great care and very delicate handling.

ALUM BASKET.



IN making this kind of basket sometimes the crystals will form irregularly, even with the greatest care. The plan is to dissolve alum in a little more than twice as much water as will be necessary for the depth of all, including the handle, putting in as much alum as the water will dissolve; when it will take no more it is then called a saturated solution of alum. In this state it should be poured into a saucepan or earthen jar, and slowly boiled until it is nearly half evaporated. The frame of the basket may be made in any shape you please, of small wire, woven in and out like basket work; a rough surface may be produced by winding it all over with worsted or

thread. The basket should then be suspended from a small stick, laid across the jar in such a way that both it and the handle will be covered by the solution, afterwards allow it to dry in a cool place, where not the slightest motion will disturb the formation of the crystals; as the water cools, the alum becomes encrusted, and rests on the basket. Bright yellow crystals may be produced by boiling gamboge or saffron in the solution, and purple ones by a similar use of logwood, the colour, of course, being more or less deep, according to the quantity used; sulphate of copper will also produce beautiful blue crystals, but great care is necessary in using it.

It is the best way to strain the solution through muslin before it is boiled, to have the alum crystals very clear and pure.

The crystals are always liable to break off, and require great care in their preservation, which is worth attention, if you succeed in making a perfect basket.

WATCH POCKET.

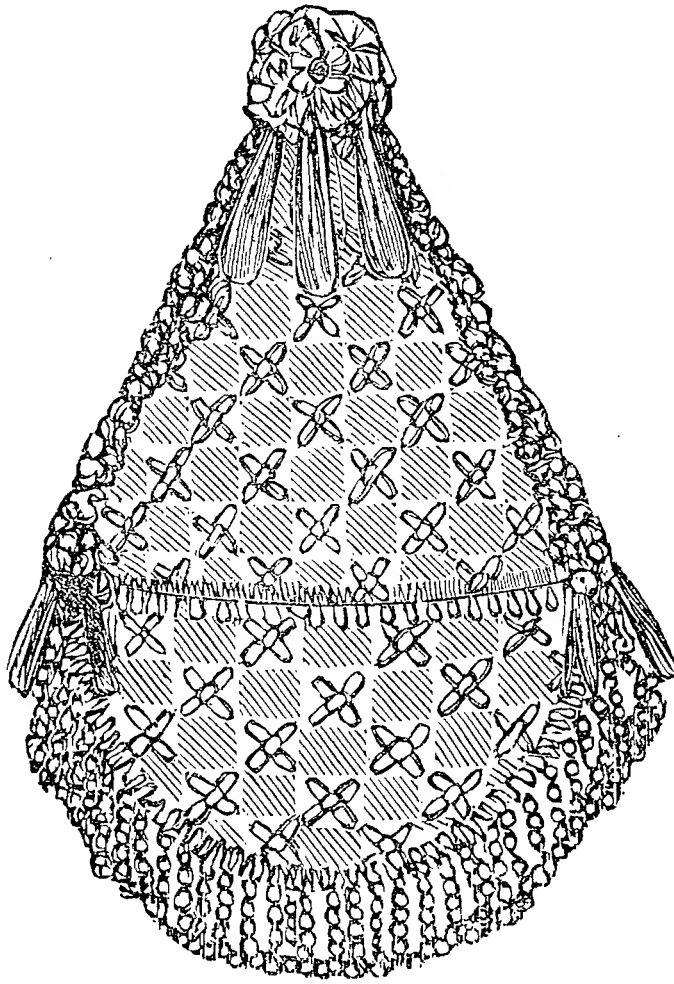


FIG. 1.

TAKE a piece of perforated cardboard about six inches and a half in length; cut it to the shape of fig. 2; then take another piece; cut this to the shape of fig. 3, and a little wider than the lower portion of fig. 2. Procure some white glass beads, and any coloured wool you may prefer; take the latter

and form it in the shape of diamonds across the upper part of fig. 2, and down as far as the dotted line *a*, to form the pattern fig. 4 continue the same on fig. 3,

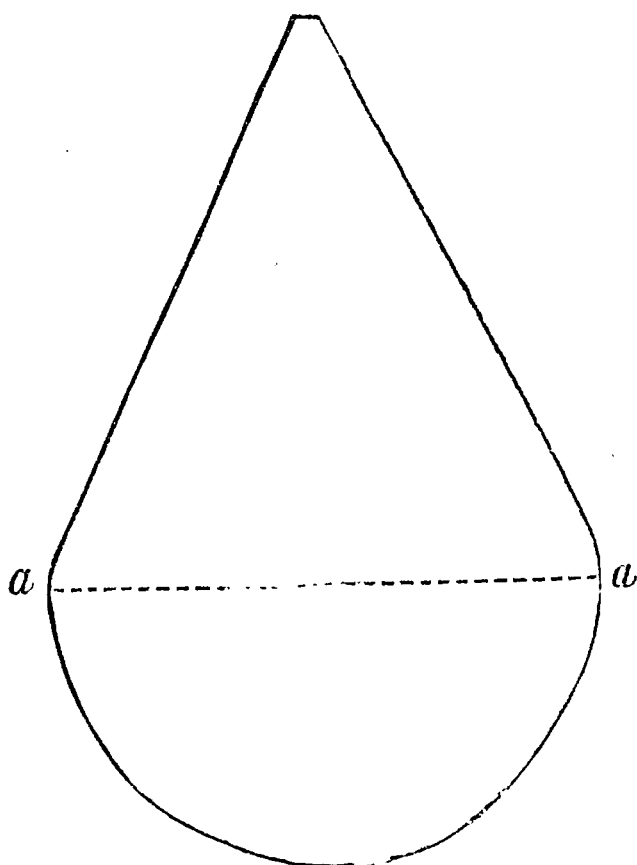


FIG. 2.

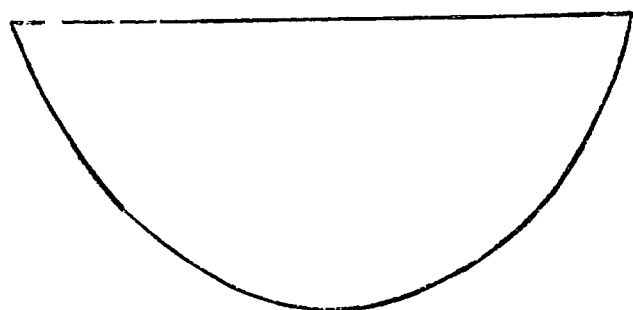


FIG. 3.

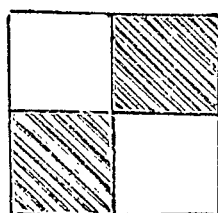


FIG. 4.

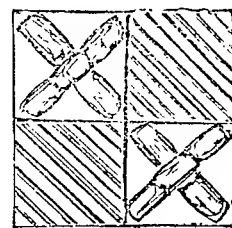


FIG. 5.

and between these form on all the remaining squares with beads, the pattern, fig. 5 ; when done, place fig. 3 on to the lower portion of fig. 2, up as far as the dotted line *a*, and sew these neatly round the edges. Cut out a piece of stiff cardboard, the same shape and size as fig. 2, and tack at the back of this a piece of silk the same colour as the wool, and sew it on to the back of fig. 2 ; take a needle and thread, and

fasten it to the top of the watch pocket; make a fringe as wide as you require, of the same beads as before looping it all the way round. Line the inside of the pocket with a piece of fine white flannel, and quill up some satin ribbon, about half an inch wide, the colour of the wool, place it across the top of fig. 3, and all round the watch pocket. Make up of the same ribbon two very small rosettes and ends, and place one at both sides of the pocket. Get some wider ribbon of the same colour, and make a larger rosette with ends, and place it on the top of all; this will make the whole complete. Do another, exactly the same, to make the pair.

Watch Hook. This is made by cutting out a round of cardboard about three inches and a half across. Take some pink or blue satin ribbon about half an inch wide; quill it up thickly, and sew it on to the cardboard, putting it round and round, and fasten it off in the middle neatly. Procure a mother-o'-pearl watch hook and place it in the middle. Cover the back of the cardboard with white silk, and then suspend to the top a piece of ribbon, the same as before, and at the top of this place a rosette. Make another the same, and when completed they will form a very pretty pair.

PINCUSHIONS.

THESE may be made in almost every form and variety. We shall give a few specimens, and leave the rest to the taste and ingenuity of our young friends. As crinolines are now so popular, a very nice pincushion may be made in imitation of a fashionable lady.



FIG. 1.

The Lady Pincushion. Purchase a small wooden

doll, break off the legs, and then cut out a piece of strong white calico the shape of fig. 2, and sew up the strips and the two sides together very firmly. After-

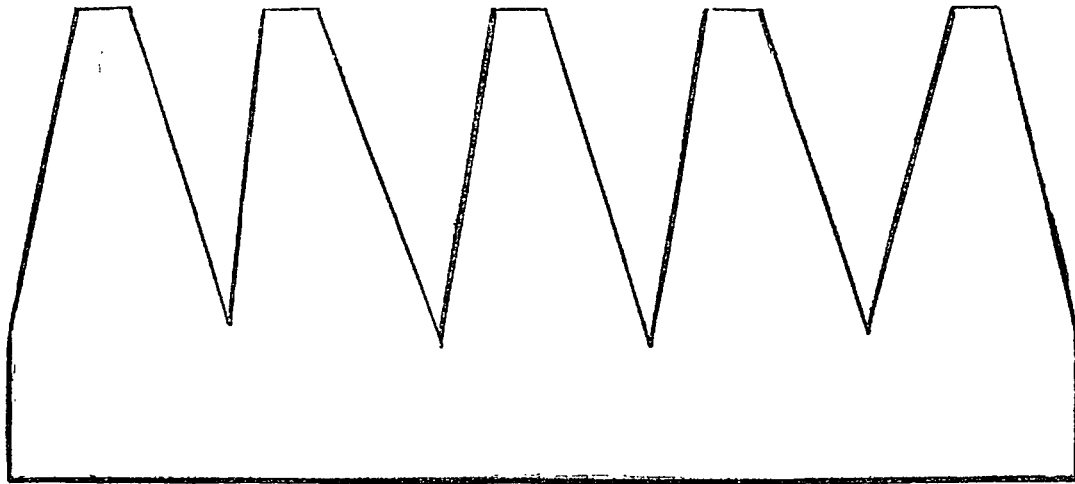
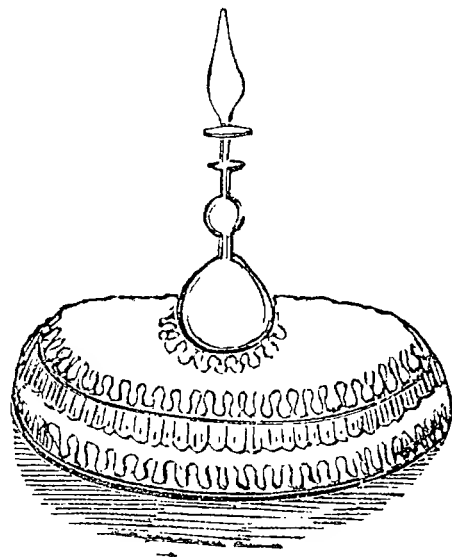


FIG. 2.

wards cut out a circle exactly the size of the bottom of this, and sew the two together; stuff it full of bran from the hole in the top, put the doll in up to the waist, and fasten it firmly round; then dress her according to your taste, and it will make both an ornamental and useful article.

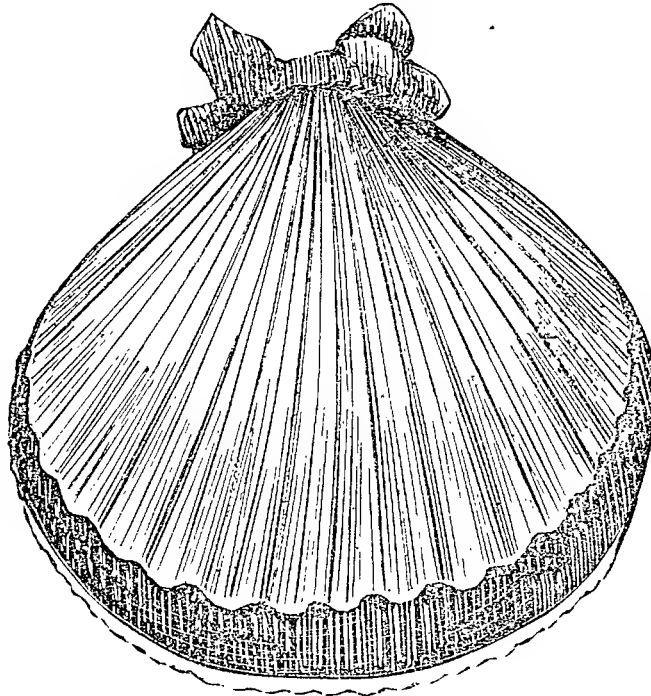
Toilet Pincushion. Cut out two rounds of pinked glazed calico as large as you require, in the middle of which cut a small round hole, the size of a scent bottle, or small tumbler to hold flowers. Cut off a strip of the same, large enough to go round



the outside, and the depth you require; then cut another shorter strip to go inside the small round hole in the middle. Take one of the two rounds and sew the longest strip to it on the outside—the two ends together; then sew on the shorter strip round the small hole in the centre, doing the same with the ends as already described. Take the other round and sew it on to the little strip, doing it on the wrong side; then sew the outer part to the long strip on the right side, leaving enough open to put in the bran. Having procured this, put it in the hole which is left, and fill it up as far as possible, then sew over the hole; make a cover for this in lace, cutting out one round, the long strip and short one—and sew them together as already described. Put on some lace outside, and some narrow quilled ribbon round the bottom of the pincushion, and at the top of the lace, also round the small hole in the middle, in which you can place a small smelling-bottle, or a tumbler with flowers in.

The Shell Pincushion. Many of this kind are extremely pretty, and are easily made. Take a piece of calico, and cut out a pattern of the shape of fig. 2, and large enough to go round just inside the shell; cut

out another piece, fig. 3, sew them together, leaving a



1.

small hole to put in the bran ; fill it, and stitch up the

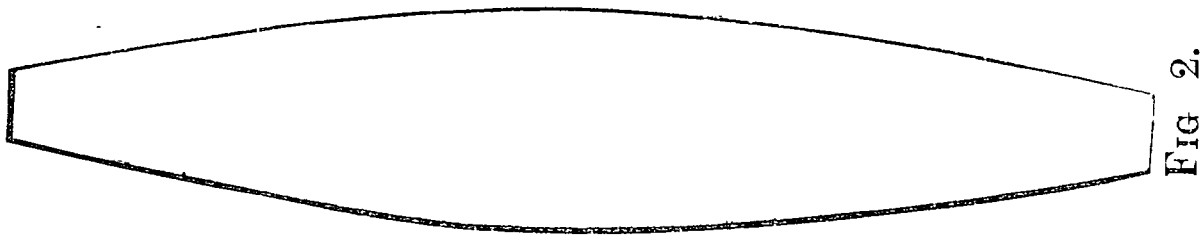


Fig 2.

remaining portion. Take a piece of blue or red velvet, the shape of fig. 2, and sew it all round. Glue the two shells on to the cushion, then finish it off with a small bow of the same coloured ribbon as the velvet.

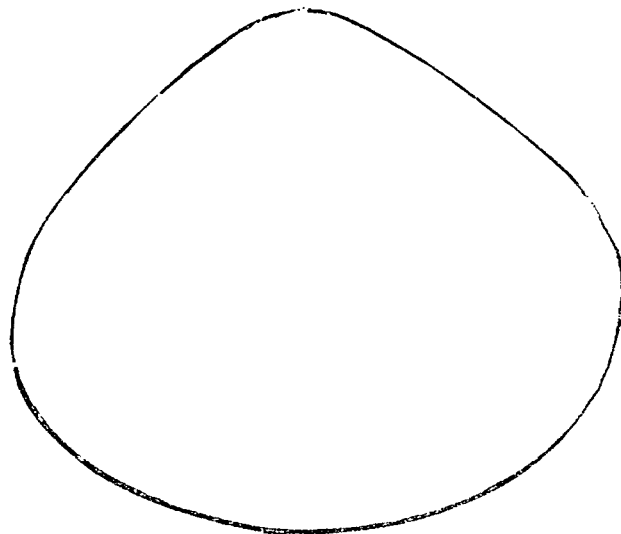
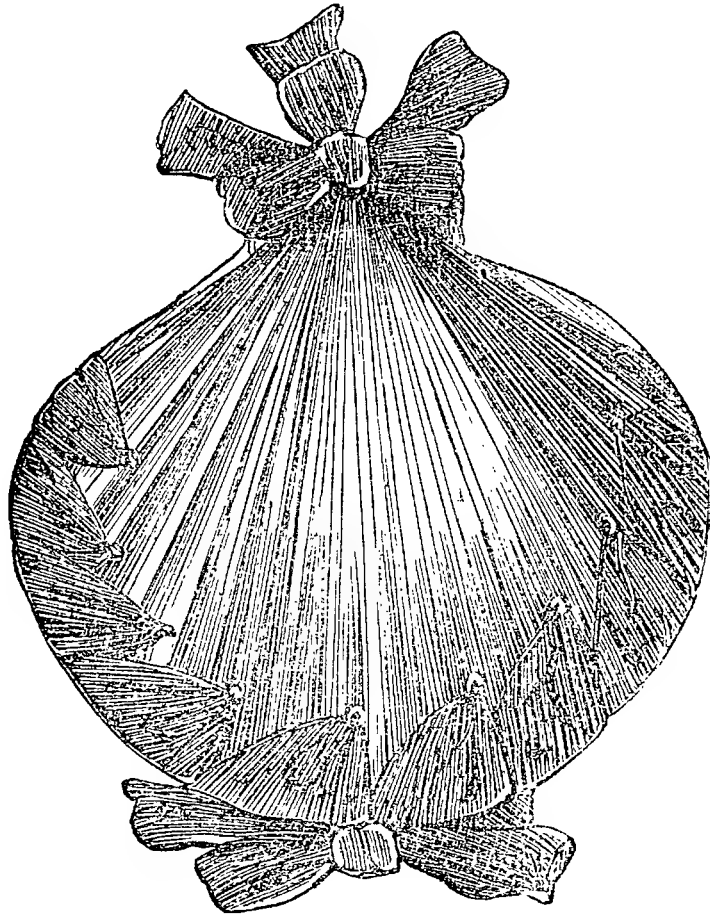


FIG. 3.

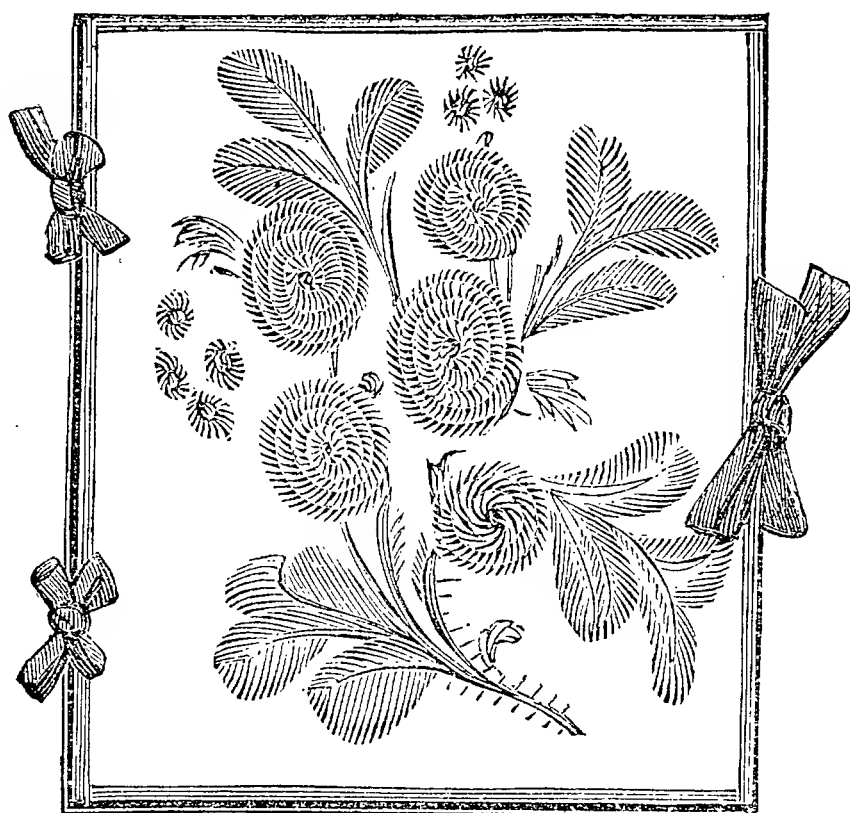
NEEDLE-BOOKS.

MANY useful and very pretty things may be formed with fancy shells. Needle-books can be made with very little trouble, and are highly ornamental. The following directions will serve as a beginning :—



Shell Needle-Book. Procure two shells of the same kind and size ; perforate nine small holes round the front of the top one, at equal distances, about half an inch from the front, and two more at the top part of both shells.

Take a narrow piece of sarcenet ribbon, put one end into the left hand hole and fasten it there, then over the front of the shell, under, and through the second hole, so on to the last, and fasten it off. Cut out two pieces of fine white flannel a little less, and also the form of the shell, bind it round with the same blue ribbon; put these inside, and with another piece tie them together through the four holes at the top in a neat little bow. For the strings in the front, take some more of the same blue ribbon, and after fastening to each shell, tie together in a little larger bow.

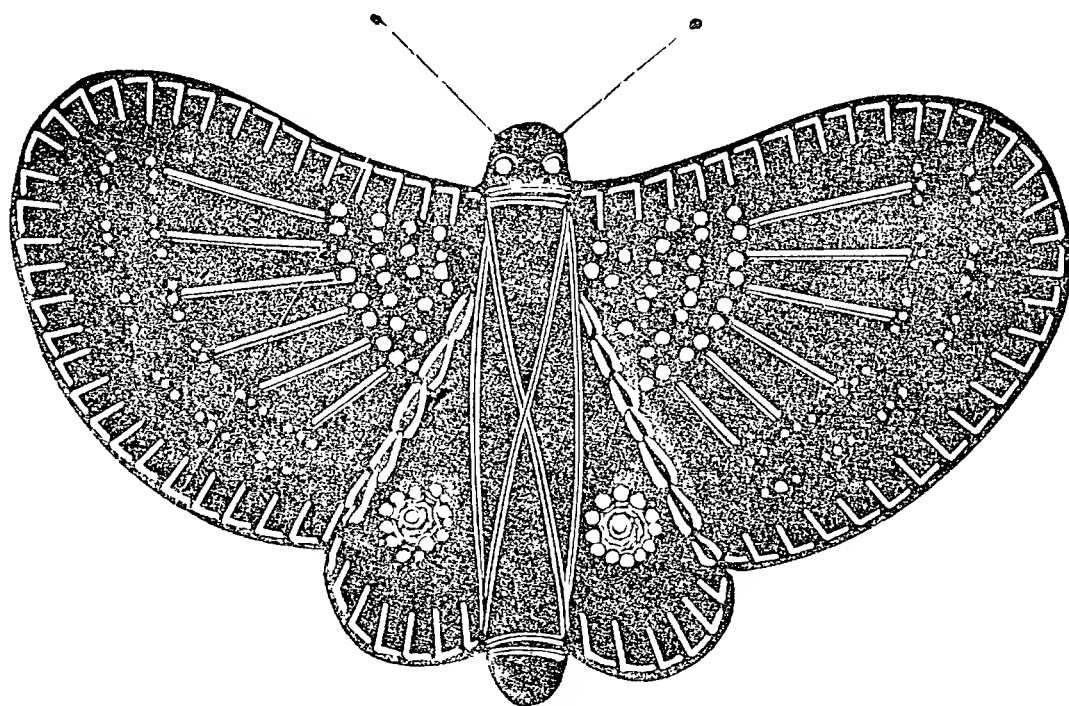


Carved Needle-book. Take a piece of nice white cardboard, and cut out two pieces the size of the above;

perforate two holes in the back of each, and one in the front for the tie. Draw out the pattern of the flowers very slightly in pencil, and with a very sharp-pointed penknife cut out the figure, using the knife sideways; to do this cleverly it requires a little practice, and it will be necessary to make a few experiments before attempting a finished design; when you have cut out the pattern, bind the outsides all round with a thin strip of gold paper. For the inside, take a piece of fine flannel a little less than the size of the card, pinked out round the edges; then with a piece of narrow green satin ribbon, begin and tie a little bow at the top, carry this down the inside to the lower holes, and fasten in another small bow to match, the ribbon inside securing the flannel; make another larger tie for the front, to complete it.

The outsides may be both the same, or the designs may be varied according to the taste of the manipulator.

PEN-WIPERS.



Butterfly Pen-Wiper. These are very convenient and necessary additions to a writing-table; they are made in a great variety of ways, both plain and ornamental. The butterfly shape is easily made, and looks extremely pretty. First cut out of a piece of black velvet, the shape of the butterfly, wings, &c.; button-hole stitch all round the outside of the wings with yellow sewing silk as in the pattern; chain-stitch the inside markings. For the wings use red sewing silk, and fasten on small brass beads according to the figure. For the body of the butterfly cut out another

piece of black velvet the size you require, sew it up, and stuff the inside with cotton wool; twist round the neck a piece of red sewing silk, cross the same over the back and again round the end, and fasten it off, putting two beads in the head for the eyes. The inside leaves must be made of two or three pieces of black cloth, and another piece of plain velvet for the under covering; then stitch the body and the various parts together.

Commoner pen-wipers may be made of circular pieces of black velvet, neatly bound and sewed together in the middle, with two or three pieces of black cloth between them. Others again may be made altogether of black cloth, with small bright-coloured round pieces, about the size of a wafer, laid one over the other, like the scales of a fish.

Another method is to cut three pointed pieces of broad-cloth, about four inches long; each one must be stitched up separately, then turned wrong side outward. After they are made, the three are joined together at the seams, and a neat little bow is placed on the top. The bottom may either be bound or embroidered with fancy colours, but the insides must always be made of black flannel or cloth, as any other colours would soon be spoiled with the ink.

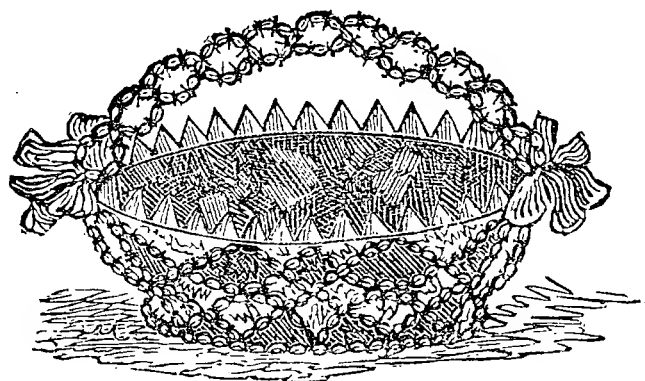
The Witch Pen-Wiper. Procure a brown wax doll, with an old woman's face if possible, fix some-



thing on the back to give the appearance of stooping, and fold some cloth round the legs to serve for petticoats, and also for the purpose of wiping the pen. Put on an old fashioned cotton skirt, and for the cloak cut out a piece of red cloth, rather longer than the breadth, and a shoulder-piece of the same material, and gather the cloak on to this; then cut out a cape long enough to cover the shoulders, sew this round the neck of the latter piece, bind it neatly, and also the cloak; tie round the neck a small red ribbon, first having

cut out two holes for the arms. Quill up some narrow lace for a cap, and make a large bonnet of black satin, with a high old-fashioned crown, then put in the cap, rather near the edge of the bonnet, sewing it on to the head of the doll. Get a small basket, line it with pink glazed calico, and fill it up with small pincushions, &c., and hang it on the arm of the old woman. In the hand place a small twig for a stick. When completed it will make a pretty and useful ornament for a writing-table; or, if very neatly executed, they form pretty embellishments for the chimney-piece or side-table.

ALLSPICE BASKET.



FIRST soak the allspice berries in brandy to soften them, and then make holes through these. Twist some slender wires into the form you require, and string on the berries in the shape of diamonds, or in rows, as you please; a rich appearance is given to the basket by adding between every two a gold bead. Around the top may be twisted semi-circles of berries; suspended festoons of the same, strung on silk, drooping over the outside. Lined and ornamented with ribbons, according to your taste and fancy.

They may be made any shape you please. Very pretty baskets are done in this way, but the effect, of course, greatly depends upon the taste with which they are executed.

FLOWER STAND.

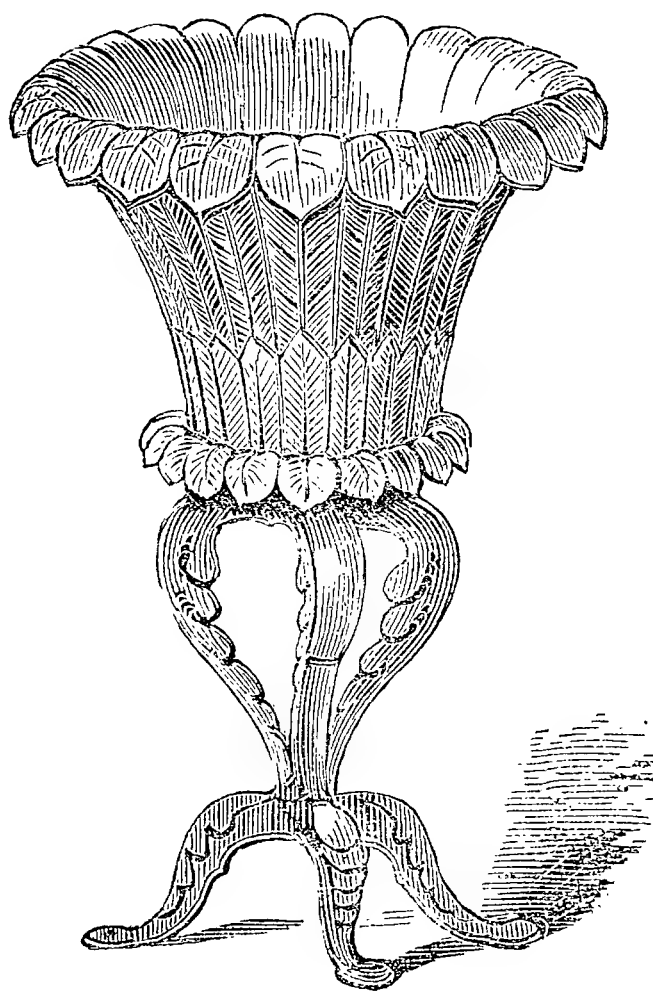


FIG. 1.

THIS must first be cut out of cardboard, according to the following pattern, and any size it may be thought most desirable, keeping in mind the relative proportions of the various parts, and if you wish to colour it in imitation of leaves, &c., this should be done before it is joined, as the moisture would loosen the gum or

paste, with which it must be fastened together, If cleanly and neatly made, it will look extremely pretty in cardboard only.

For the sides cut out of cardboard the shape of fig. 2, and *half through* on the face of the cardboard

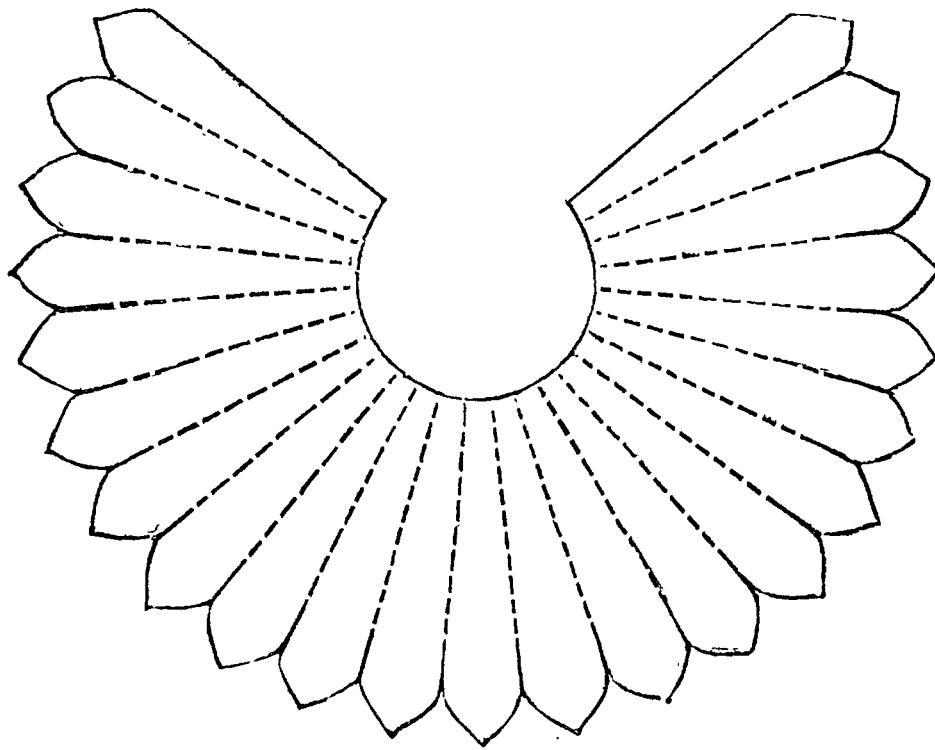


FIG. 2.

with a penknife, bend it on the dotted lines, and quite through the black ones, round to a circle, join the two ends together, one over the other, with a little gum or paste, and allow it to dry.

For the cup or ornament at the bottom measure the exact size of the outside, and draw another small circular pattern, fig. 3. Cut out the outline carefully, and *half through* the dotted line on the *back* of

the circle; cut out and fold over the outside ends.

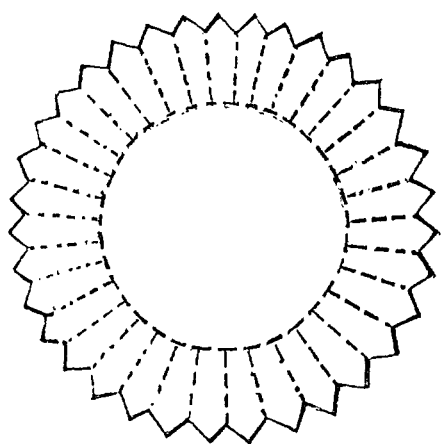


FIG. 3.

When fig. 2 is quite dry, fig. 3 must be fastened on to the bottom, first bending over the outside leaves carefully in both figures to make them curl gracefully.

Cut out another pattern the shape of fig. 3, only the ends a little less in proportion; cut *half through* the dotted lines, bend over in the same way as before described, and fix this on to the bottom of fig. 3, with the ends downwards.



FIG. 4.

For the legs, cut out of cardboard three patterns, fig. 4—the inside portion first with a penknife; cut *half through* the dotted line on the face of the card at the top, slip the outer portion in two, and bend it backwards; cut *half through* the card on the back, at the junction of upper half, the same on the face between it and the bottom, and again on

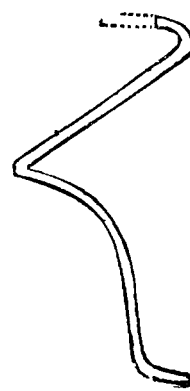
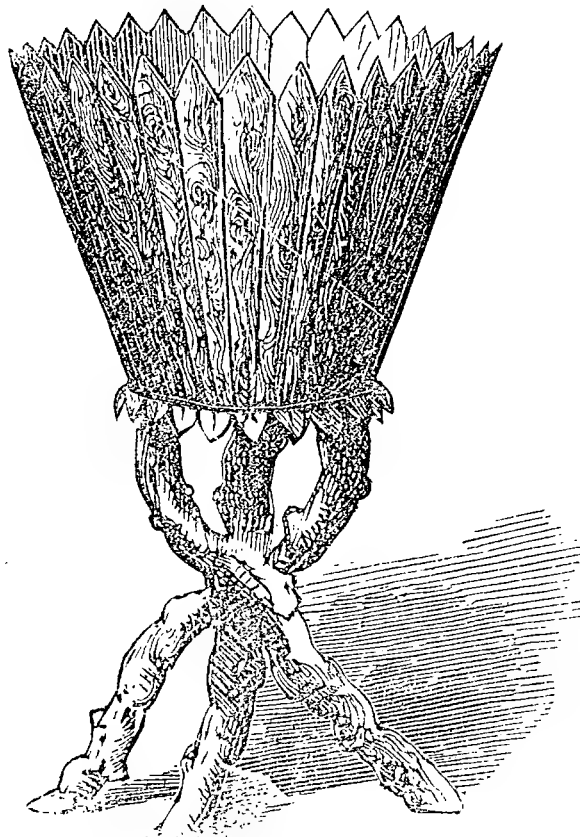


FIG. 5.

the back for the foot, bending each to the shape of fig. 5. Having finished the legs in this way, fix them on at equal distances, the upper portions to the

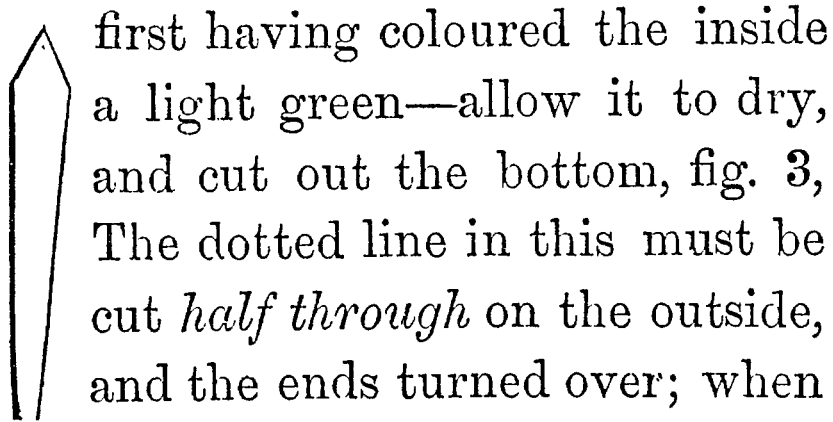
bottom of the stand ; when they are perfectly dry, fix the three legs together at the inner angle of fig. 5, with gum, and a small strip of white paper round about them. To make it stand more firmly, duplicate pieces of the under portions may be cut out, bent, and gummed on to the lower part of the legs, but without the foot, and it will be quite strong enough to support a small vase of flowers, and look extremely well.

RUSTIC FLOWER STAND.



THE sides of this are best made first of cardboard of a shape similar to the last described (fig. 2), only in

a great many more subdivisions, of the shape of fig. 2. Having cut it out and fastened the ends together—



first having coloured the inside a light green—allow it to dry, and cut out the bottom, fig. 3. The dotted line in this must be cut *half through* on the outside, and the ends turned over; when

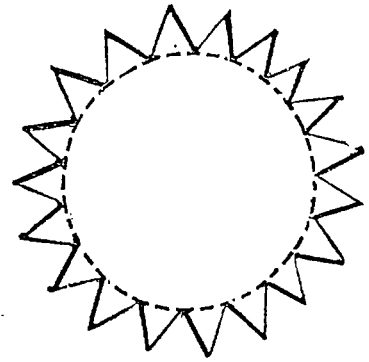


FIG. 3.

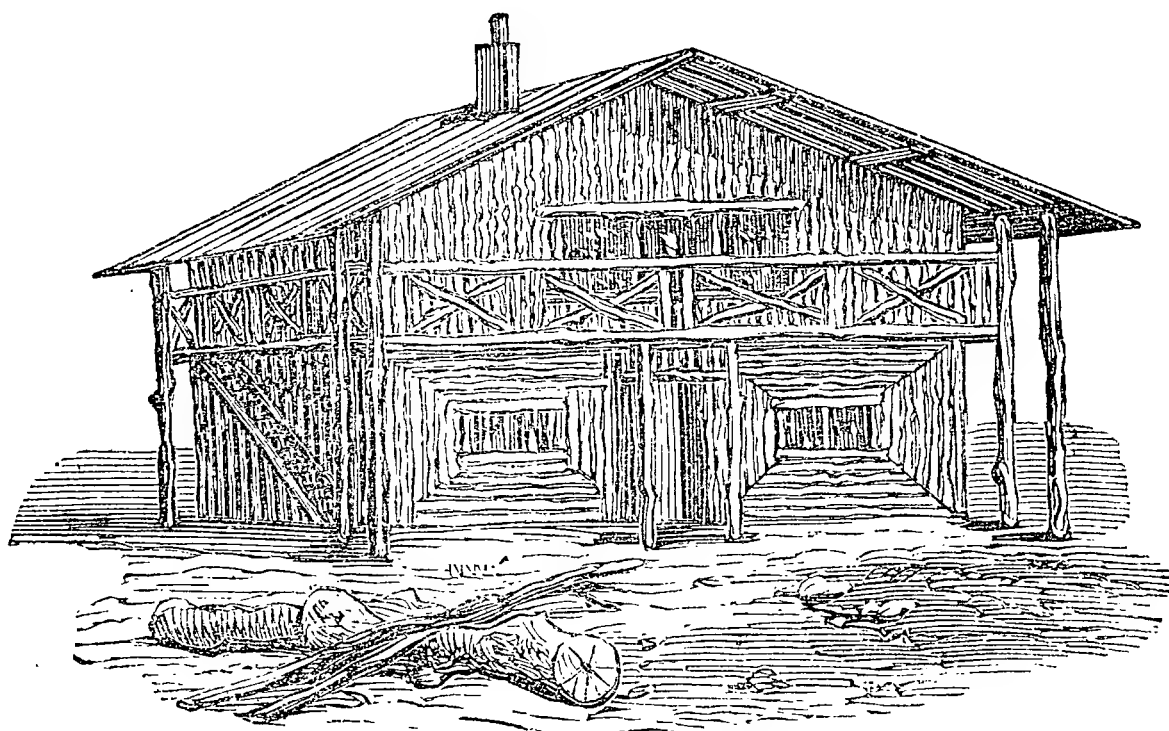
FIG. 2. this is also coloured the same as the last figure, fix it on in the inside with gum at the back of the small extremities. Having collected a number of pieces of dried wood, about the thickness of the widest part of fig. 2, cut them first into the same length, split them in two, and cut them separately into the shape, as above described, and fix them one by one with a little gum or glue on to each of the compartments of the circle on the outside; to prevent the white card shewing through in any part, it will be better to colour the outside of the card with a brown tint. When they are all put on neatly, allow it to dry well before proceeding further with it.

In the meantime you can be preparing the legs or stand, which must be of rustic character. Procure three bent pieces of wood, the length you require, and cut them so that the top and bottom

will come quite flat, fig. 1. Shave off a little of the inside of two where they cross, and a little off the under side of the third piece where it crosses under the other two; they must first be glued or fastened together in the centre, and when dry the upper ends may be glued on to the bottom of the stand, taking care that they have been already formed at equal distances apart, to allow it to stand firmly.

This will make a very pretty ornament, being an imitation in miniature of the real thing.

RUSTIC SWISS COTTAGE.



THIS can be made any size, but the most con-

venient, and as neat as any will be one about as large again as the patterns. It must first be cut out in cardboard, and whatever size is settled upon, all parts must be carefully kept in proportion.

Commence by cutting out fig. 1, the front and side. The black lines in the door must be cut quite through

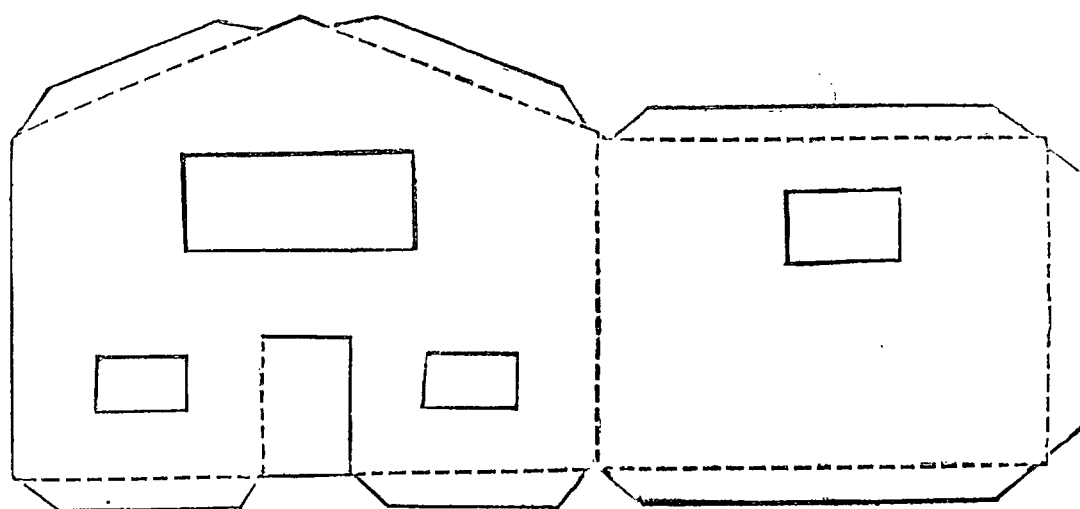


FIG. 1.

with a sharp penknife; the windows also must be quite cut out in the same way; then cut *half through* the dotted lines on the face of the card, except the one on the door, which must be cut *half through* on the back, for it to open outwards; bend over outside pieces, and split these in half, which will cause them to stick better to the other portions. Then cut out the other side and back of the cottage, fig. 2, and half through the dotted lines on the face of the card; turn over the ends, and split them as before described, and cut out

the window. As the framework of the cottage is intended to be covered with rustic woodwork, it will be as well, before putting it together, to give the whole a tinting of brownish paint, except the ends, which should not be coloured. Having done so, cut out a piece of cardboard large enough to leave a margin of about two

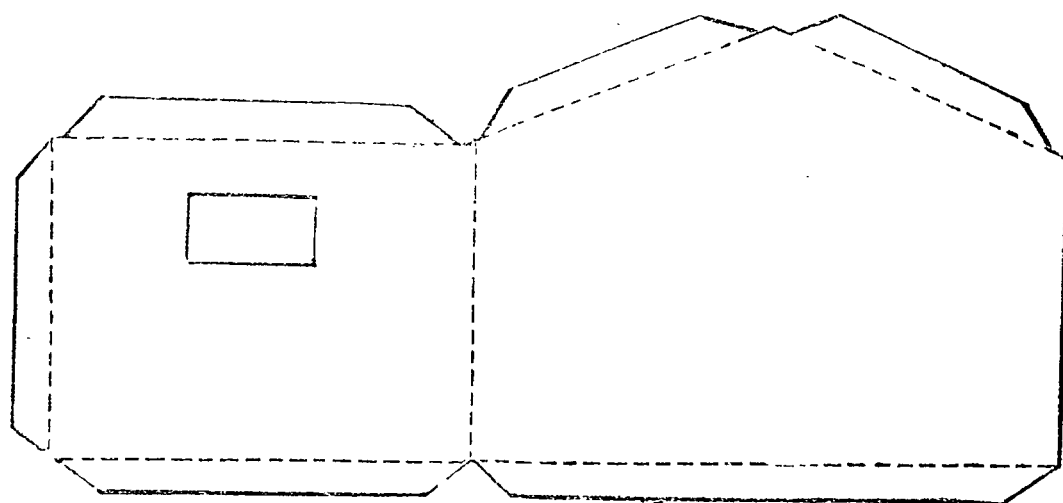


FIG. 2.

inches all round the house for a stand, and tint it slightly all over with a stone colour. When quite dry, first fix the sides and ends of the cottage together, figs. 1 and 2, by gumming the two ends to the opposite corners, allow these to dry; and afterwards fix it on to the ground with gum or glue, pressing the ends down firmly, and let it dry.

Proceed next to cover the cottage with rustic woodwork. Having procured a number of small dried twigs, split them in two, and take a little off each side, to make them join as equally as possible.

Commence by glueing one across the centre of the front, half way between the top of the door and the bottom of the upper window; then with smaller pieces cut in the same way fit them round the three windows in front, and fix three more pieces round the door in the same manner, then cut out and split a number of other small pieces, and fix them on the card. To make the pattern, fig. 3, fix the under por-

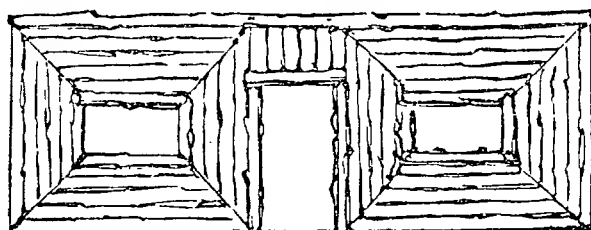


FIG 3.

tion of the front; great care must be taken in cutting them so as they will fit neatly, which can be done on each side before

they are glued on. For the upper part of the front, having first gone round the window as before described, cut out a number of small pieces, and as nearly equal in thickness as those below, and form in the same way the pattern, fig. 4, which may be all done with perpendicular pieces of wood. The two ends of the house must next be covered with woodwork in the same way as fig. 4, only taking care to make the various lines of wood in proportion to the sides of the house, and fixing

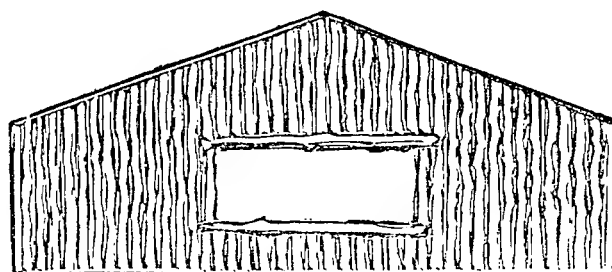


FIG. 4.

four pieces round each window in the same manner as those in front. The back part of the cottage may also be covered with perpendicular pieces of wood, or not at all.

Having finished the woodwork on the house, you must next put in the windows, which may either be made of small pieces of glass fixed inside; tissue or tracing paper will make a very good substitute.

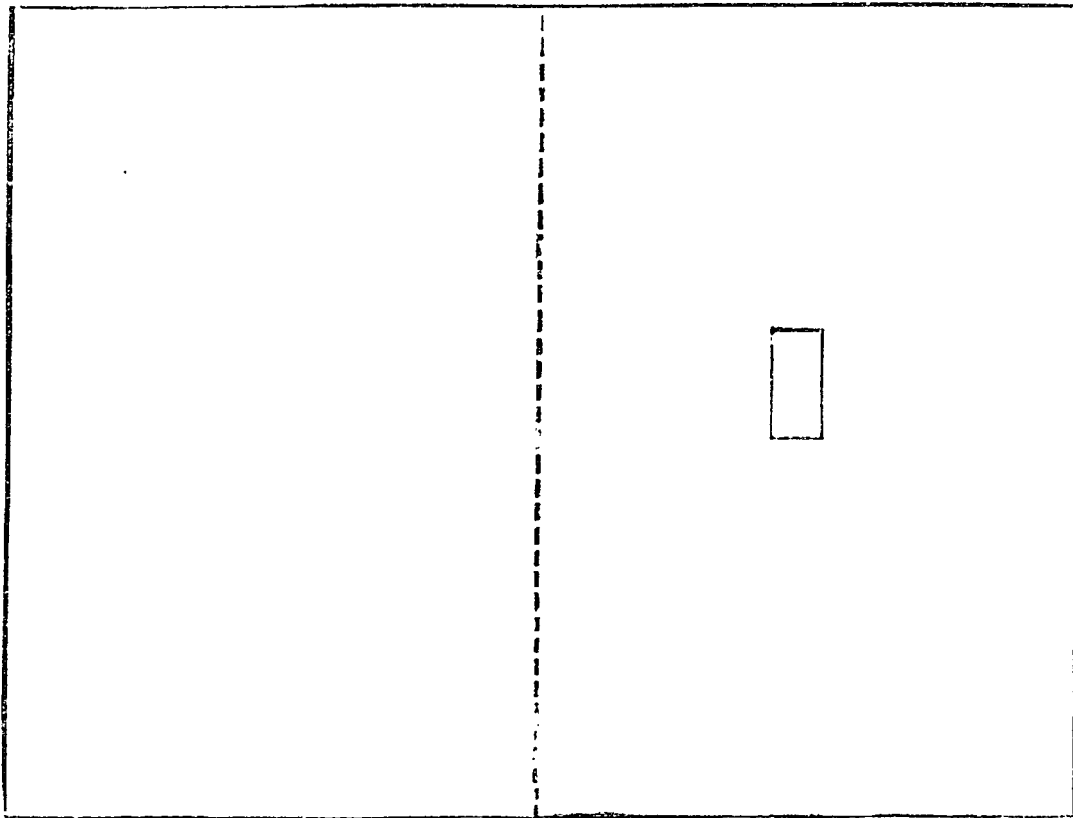


FIG. 5.

This being done, you must next make the roof by cutting out of cardboard the pattern, fig. 5; cut *half through* the dotted line on the front of the card, the hole for the chimney being quite cut out with

a penknife ; bend the dotted line a little and it will fit to the shape of the back and front of the cottage ; tint this first with a light brown colour, and cover it with woodwork, or paint it in imitation of planking.

Cut out the chimney in cardboard, half through the dotted lines on the face of the card, bend to the

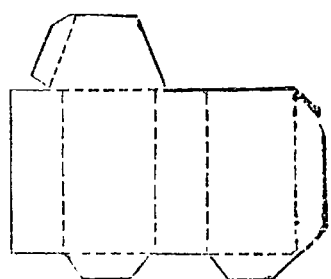


FIG. 6.

shape, round the top, and fix the ends and it together by the outside pieces, and having first coloured the outside in imitation of brick or stonework, fix it on to the inside of the roof by the two small ends. Afterwards fix the roof on to the house, by glueing the outer edges of the front, back, and sides, and pressing it gently upon these, and holding it for a short time till it is secured. Cut out six pieces of wood, and glue the ends of these on to the top of the cottage and ground, about half way between the sides of the house and the projecting portions of the sides of the roof, on each side, one being placed first opposite the end of the house, the next opposite the front, and the other about half way between the front of the house and the projecting part of the roof, all three, on each side, being in a direct line ; these are the supports for the balcony, they

must not be split, but solid posts. When they are dry, cut two pieces the breadth of the sides of the house, split them, and fix them on in a line with the one in front of the cottage; then cut two longer ones exactly the length of the three upright supports at the sides, split them, and glue them on to the outside supports directly opposite the cross ones on the centre of the two sides; cut out a piece of cardboard,

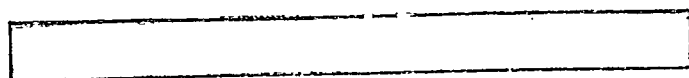


FIG. 7.

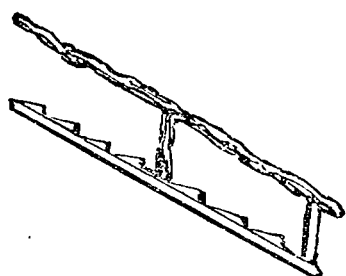
fig. 7, colour it in imitation of planking on both sides. and glue it on the two cross bars in front of the house, and the two ends on to each side. Take another piece of wood to go across the back of the house and the two outside supports, split it, and fix it on also in a line with the cross pieces at the sides. Cut out another piece of card the shape of fig. 7, but just the length of the side of the house, to rest upon the front balcony; it should be coloured the same as fig. 7, and fixed on the right hand side in the same manner as the front. For the left hand floor of the balcony two small pieces of wood must be cut and fixed across at a little distance from the end, and the floor made to rest upon them, leaving a small portion for the en-

trance of the stairs, which can be made of card cut out of this shape, and the dotted lines cut half through



FIG. 8.

first on the face and then on the back, alternately, on to the end; when bent to shape and fixed to the floor of the balcony and the ground, a small piece of card-



board may be fixed on the side of them to give a more finished appearance, with a handrail of woodwork.

The railing in front of the balcony can be either made of cardboard or pieces of rustic wood split as before described. The pattern may be made as in fig. 1, and when finished fixed on to the front supports of the roof and floor of the balcony, and the railings continued round the sides in a similar manner.

Two supports in front of the door will give additional finish, and form a neat little porch. The ground may be filled up with moss, pieces of wood, and small stones, and if the whole is carefully made it will make a very complete chimney-piece ornament.

SUN-DIAL.

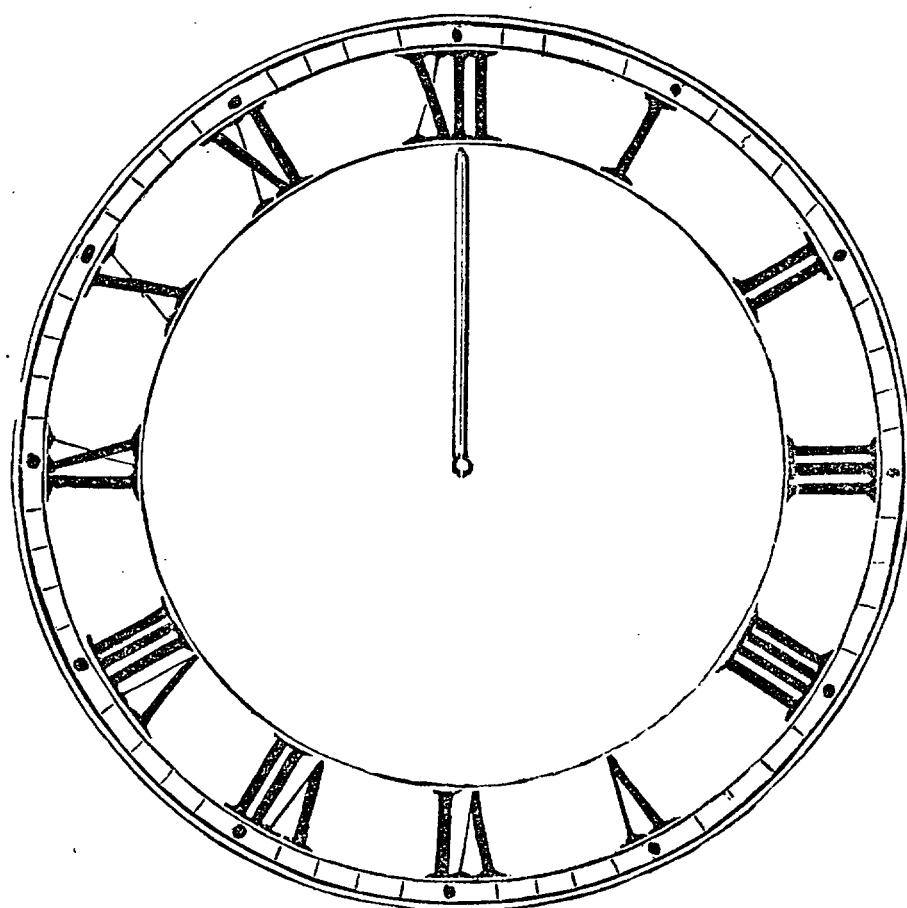


FIG. 1.

THIS simple little toy, if properly made, will enable you to find the correct time of the day. It is easily made according to the following directions :

Take a piece of stiff cardboard about five or six inches square, and draw with a pair of compasses as large a circle as you can upon it, then again another circle a little inside of the first, and a third within

that again, fig. 1 ; divide the whole into twelve equal parts, and draw in neatly the figures, first in pencil, and then with a pen or small brush ; take a sharp-pointed penknife and a ruler, and cut out a small slip in the face, from the centre of the figure xii, as near as possible the thickness of the card. Then cut

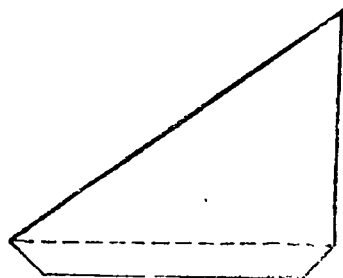


FIG. 2.

out another piece of card the shape of fig. 2, and with your penknife split it at the bottom up to the dotted line, and bend the two small ends over some sharp edge. Fix fig. 2 to fig. 1 by inserting it through the hole, and gum the two ends on to the back of the face.

Set it on a stand in the sun ; at twelve o'clock there will only be the shadow of the thin edge of the card over the figure, but as the sun goes round so will the shadow, and tell the correct time of the day.

RUSTIC GARDEN CHAIR.

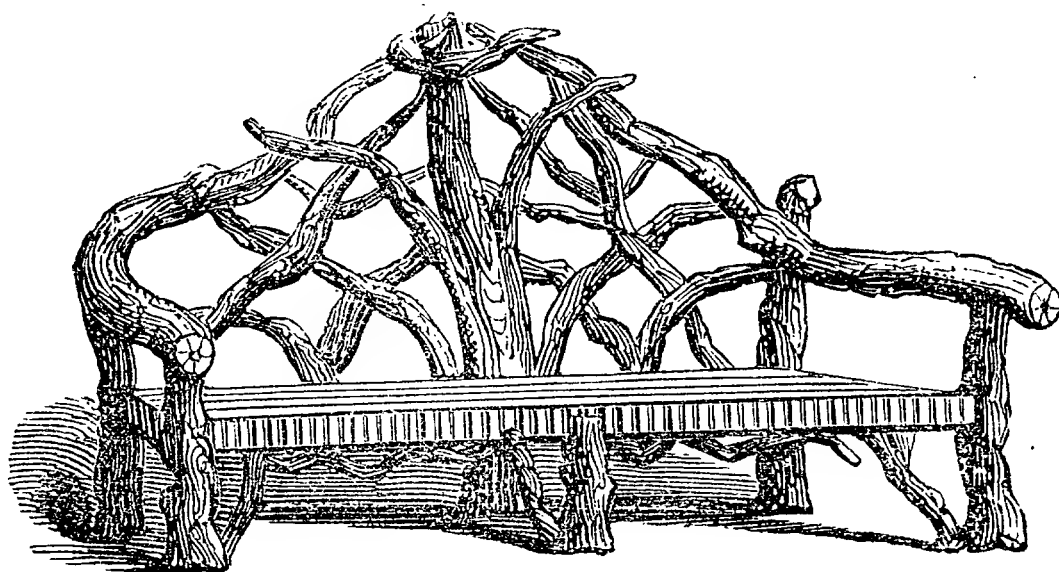


FIG. 1.

VERY many pretty things can be made out of little pieces of dried wood ; and their combination gives ample scope for the ingenuity and taste of the maker. Arbours, chairs, tables, &c. may easily be constructed into useful toys. The garden chair may be made as follows :

Having collected a number of crooked pieces of wood, and taking care to have them thoroughly dried, and about equal thickness, not being too much so, or the effect would be heavy and clumsy, which is to be avoided. The legs, arms, and centre of the back must be a little stouter than the others. Commence

by cutting two square pieces of wood the length you require, say one-third larger than fig. 1 and the shape of fig. 2; these will form the front and back of the

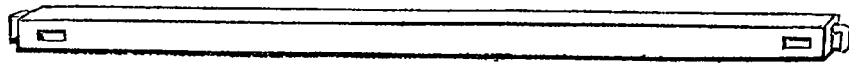


FIG. 2.

seat, the two ends being cut a little smaller, and the two holes being cut out with the sharp point of a penknife. Then cut two small pieces the breadth of the seat, of the same square form, fig. 3, but without



the holes, and inserting the ends into the small holes in fig. 2, fix them with a little glue; while they are drying, cut out five pieces the same length as fig. 2, a little narrower, and as thin as

FIG. 3. possible—strips of cardboard will do, only they must be first coloured to make them appear like wood.

Having got them all of equal length and thickness, glue them on at each end to the cross part of the

seat, fig. 4, a little

apart from each

other, the two out-

side ones being

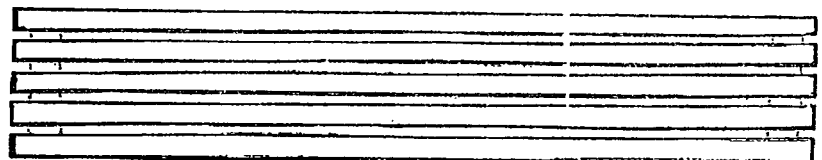


FIG. 4.

glued all along the top of the front and back supports, that they may be all level; this must be quite dry before proceeding to fix it to the framework. Care-

fully select four pieces of bent wood, as nearly the same as possible, for the four legs and supports for the arms, the two back ones being a little longer in proportion, but of equal thickness. The front ones, fig. 5, must be cut a little smooth on the inside about the middle, and a small hole cut out with a penknife in each ; the upper ends must be cut into the form of a peg, with a small edge for the handles to rest upon. The back ones must have holes in each as fig. 5, the same distance from



FIG. 5.

the ground, and near the top a little cut out, fig. 6, for the back of the arms to rest upon.



The upright support for the back may be done in one or more pieces, as they can be procured, cutting out a notch to fit the back of the seat ; first glue the seat, fig. 4, into the holes in front and back legs, and then the back support, fig. 7, on to the middle of

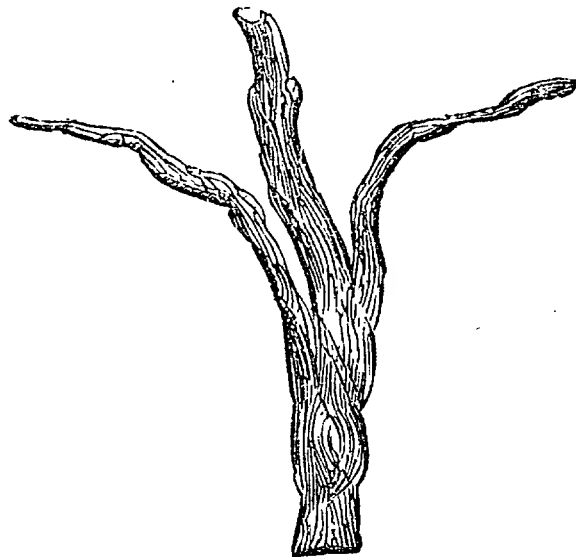


FIG. 7.

the back support of the seat, and allow them to stand till the glue is quite dry before proceeding with the other portions. Next get two pieces of wood, bent to

make the arms and top of the back, and these should be as near alike as possible, both in shape and thickness, fig. 8. Cut a small hole under the front near

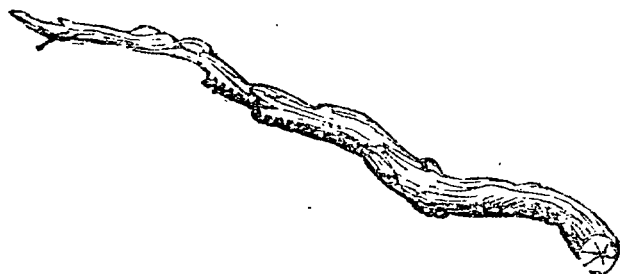


FIG. 8.



FIG. 9.

the end, take a little off on each side where it fits into the back part, and fix this with glue; the small support in the middle of the seat may be fixed by cutting a small notch at the top of it, fig. 9, and glue it on to the bottom and front of the seat, and in the same way fix the small pieces in front. The smaller pieces at the back may be done as before described, twisting them out and in as much as possible, and making the pattern, fig. 1. The front and sides of the seat must next be covered with small pieces of wood of equal thicknesses placed all round, and your seat will be finished.

THE GREAT EASTERN LAMP-SHADE.

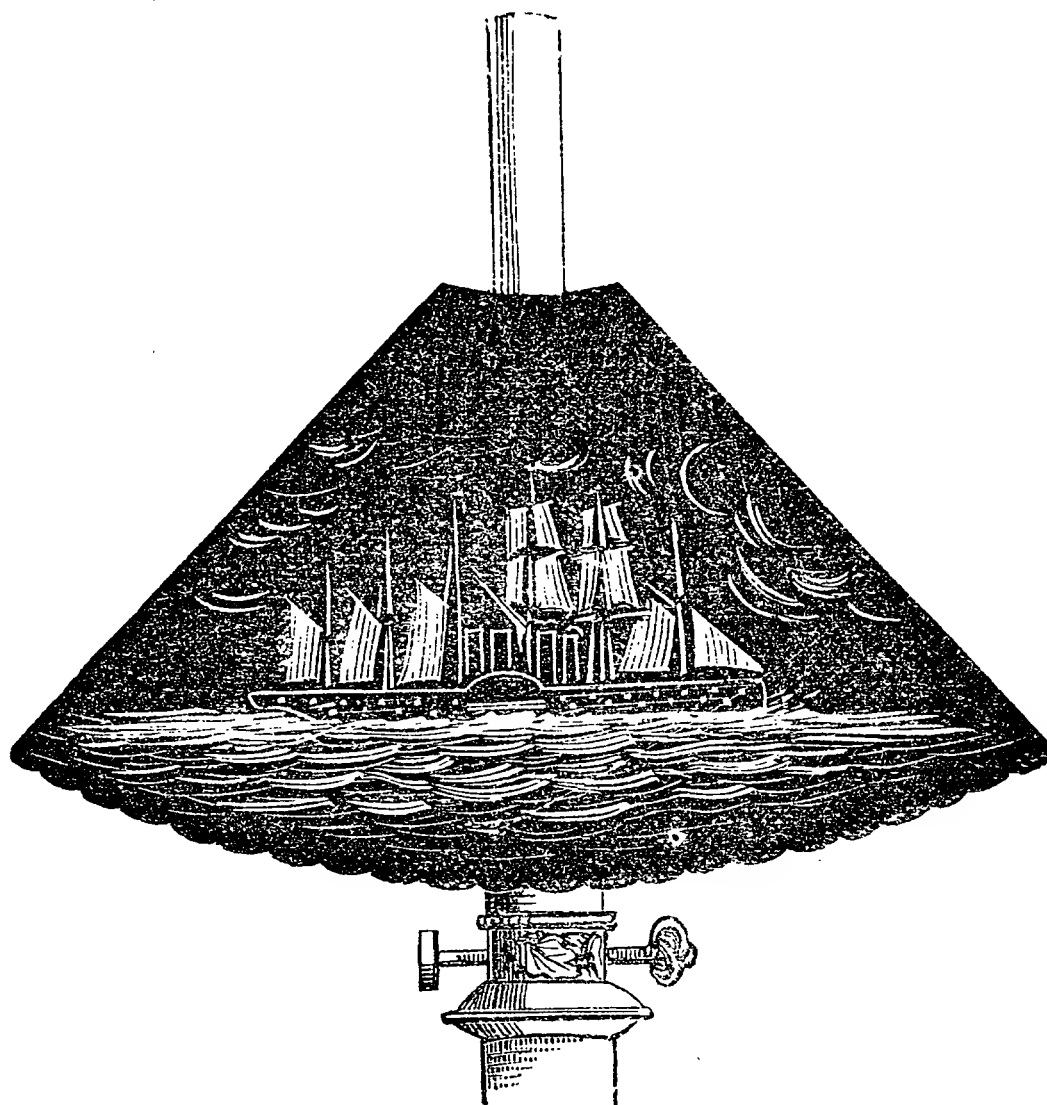


FIG. 1.

LAMP-SHADES of every variety, and great beauty, may be made upon the same plan as the one we are about describing; the design upon it being according

to the taste and talent of the manipulator. Groups of flowers, fruit, moonlight effects, waterfalls, birds, or animals, may all be produced, and, when executed with skill, have a very rich and beautiful effect.

Commence by cutting out the shape you require for your lamp-shade, this can be done either in stout brown or other paper; and having tried it on the lamp, and fitted it to your satisfaction, proceed to cut out of green glazed cardboard, as the pattern

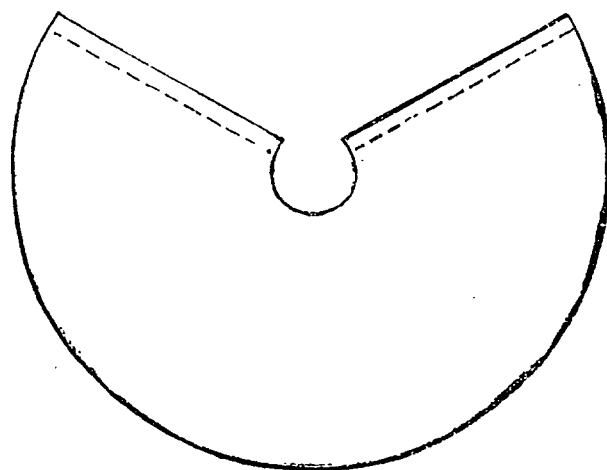


FIG. 2.

fig. 2. Then, with a penknife and ruler, cut half through the dotted line on the *face* of the card on the right, and slit the outside portion in two; the same with the left end, only that it must be cut half through on the *back* of the card, and then split as before, gum or paste the front portion over the other, and allow it to dry.

Draw on the pattern with a hard black-lead pencil, or trace it—the slightest outline will be sufficient to guide the hand of the operator; this must be done on the glazed or outside of the cardboard.

The sails first must be cut quite out as the cross lines, taking care not to cut one into the other; and leaving enough to mark the masts, funnels, and rigging; and the same with the ship (fig. 3). The flags must also

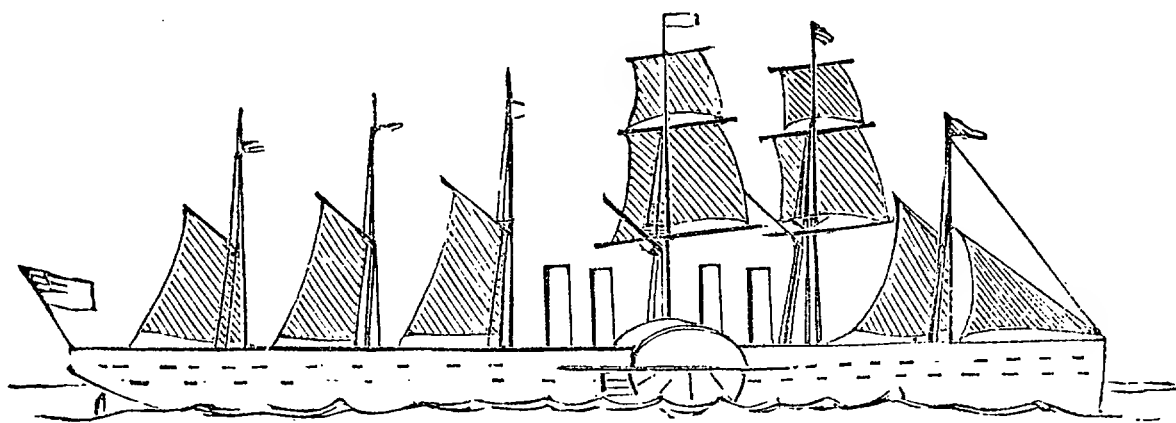


FIG. 3.

be cut quite out; and the lights in the side of the ship, as well as some of the rigging, can be punctured through with a strong pin or needle. In cutting out the funnels for instance, great care must be taken not to cut the lines into the body of the ship, and small pieces must be left in the ship itself, at the point of the bow; where the paddle-box joins, both before and behind; at the stern, and several points in the line of the water: these are necessary in keeping the

whole together. The water must be cut out in the form of the crests of waves, fig. 4; shades of green

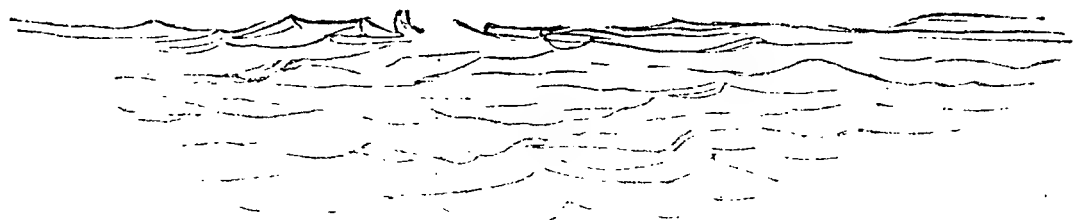


FIG. 4.

paper must be gummed over this on the inside, and just along the edge of the ship, and about the paddle-

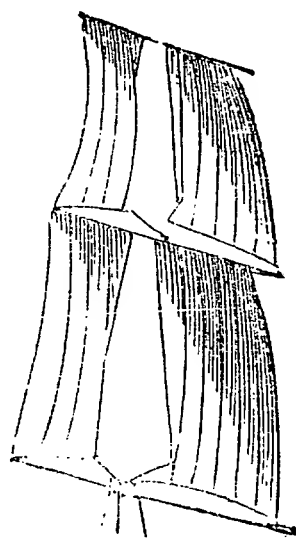


FIG. 5.

wheels quite white. The sails must be covered also on the inside with thin white paper, coloured and shaded as in figs. 5 and 6. The flags may be done in a similar manner, only painting them their respective colours. The shadows in every instance should be

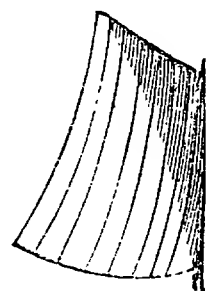


FIG. 6.

rather strongly put in, as the light softens them very much. A few clouds and lights about the sky may be introduced, being careful not to do too much, so as to destroy the effect of the ship and water.

Before finishing off by covering it on the inside with tissue paper, the effect may be tried upon a lamp, and if there is any appearance of patchiness; it may be

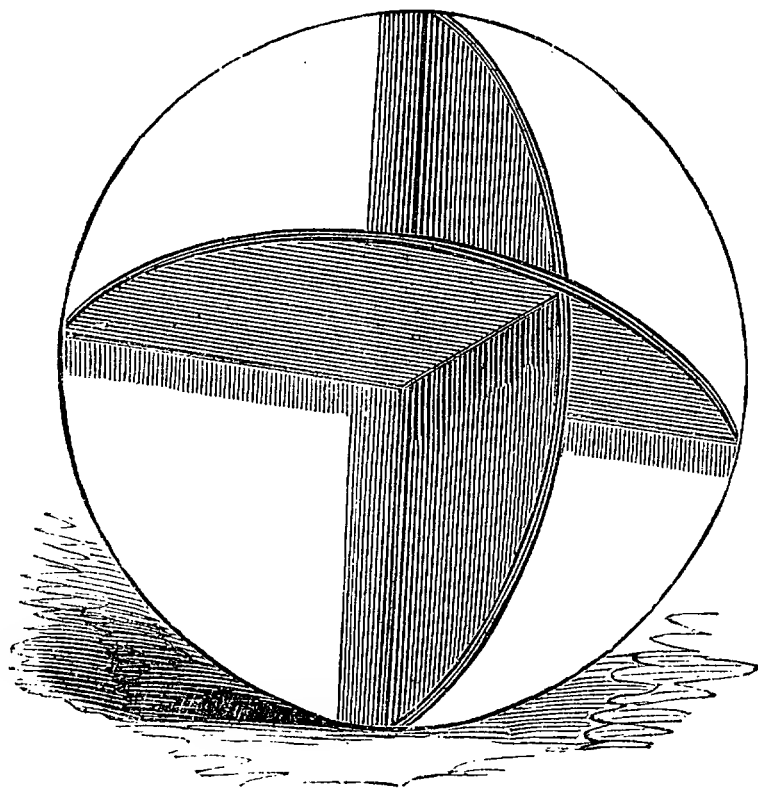
easily obviated by deepening the shadows, or putting extra layers of thin coloured paper on the inside.

In proportion the design ought not to occupy more than one half of a screen, the other side being done in the same way, or any other pattern that may be preferred. The cardboard must be sufficiently opaque to prevent the light appearing, except where the cuttings for effect are made. The whole must be lined on the inside with white tissue paper, and fixed with gum, which helps to conceal the cuttings.

Puzzles.

OUR design in this little work has been to afford as much amusement as possible to our young readers, and at the same time to give as great a variety of subjects in order to endeavour to suit the taste and requirements of all. Some may think that in making the articles we have already described, there are puzzles enough already in the book, but we trust that will not prove to be the case, as we have tried to construct nothing but simple and useful things, which, when made, will always reward the time and trouble bestowed upon them. Puzzles are also useful in their way, as affording occupation and amusement in leisure hours, and the few examples we propose giving will be all of a constructive character, and, therefore, quite in the scope of our work ; at the same time acquiring quickness of thought, and facility of solving a problem in every way. Several eminent writers have strongly recommended this kind of exercise for the juvenile mind ; which cannot fail to improve by habits of thought and application.

CIRCULAR PUZZLE.



THIS is made of moderately stiff writing paper. Draw with compasses three circles, all the same size—about two inches and a half in circumference—and cut a line half way across the middle, and half way from the top and bottom; then fold the corner *a* at the dotted line over towards the face of the front, and over the reverse way to the back, *b*. In the second circle,

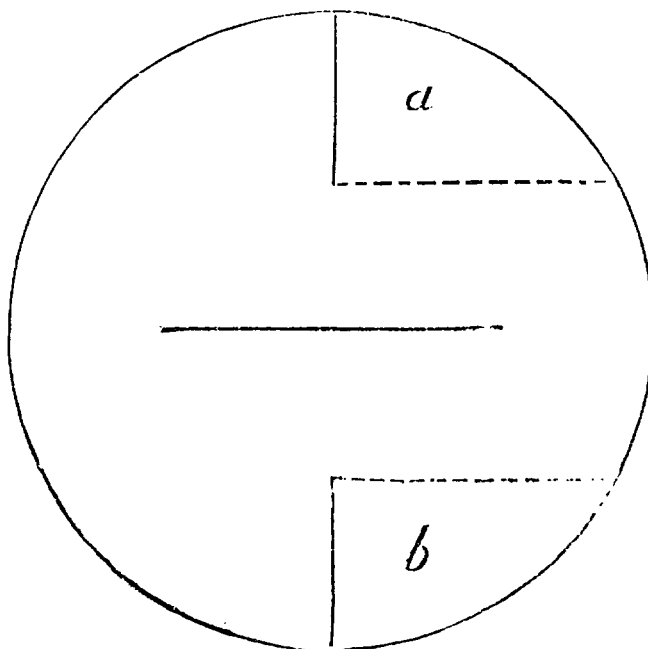


FIG. 2.

cut through the outside in the form of a square as in fig. 3, and fold over *c* and *d* as in fig 2 ; insert the end into the centre of the former, and open them out,

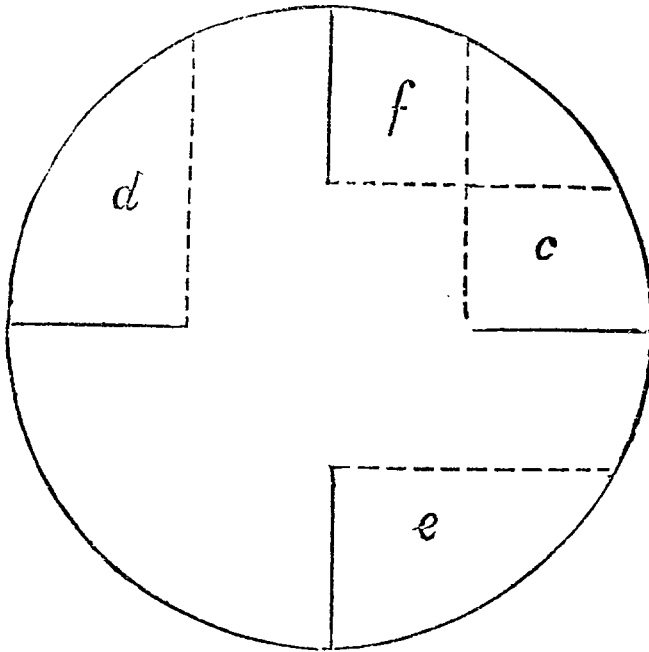


FIG. 3.

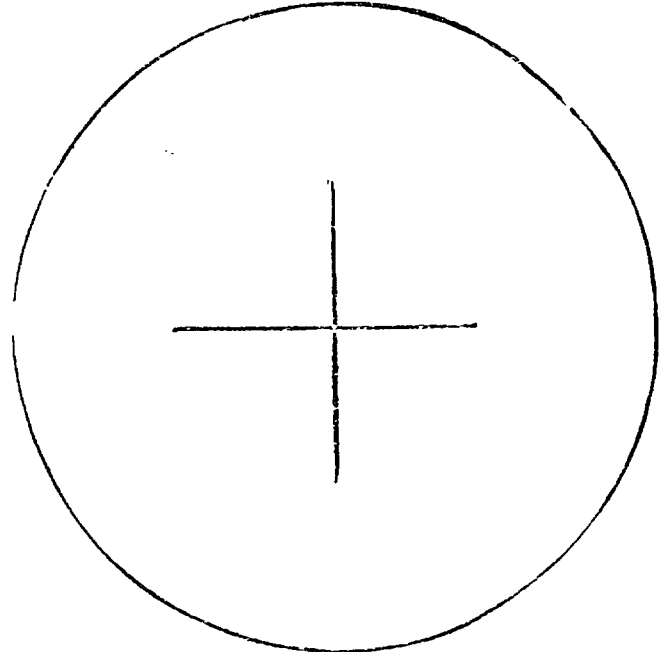


FIG. 4.

then fold over the corners, *a*, *b*, *e*, and *f*, and insert these into the third circle, fig. 4. Having first cut out the cross lines in the centre, open them out, and the three will be completely bound together as one. Care must be taken not to crease the dotted lines more than is necessary ; to be complete they should shew as little as possible. The puzzle is, for anyone to take it to pieces, or to connect the circles together without seeing how it is done.

THE SQUARE PUZZLE.

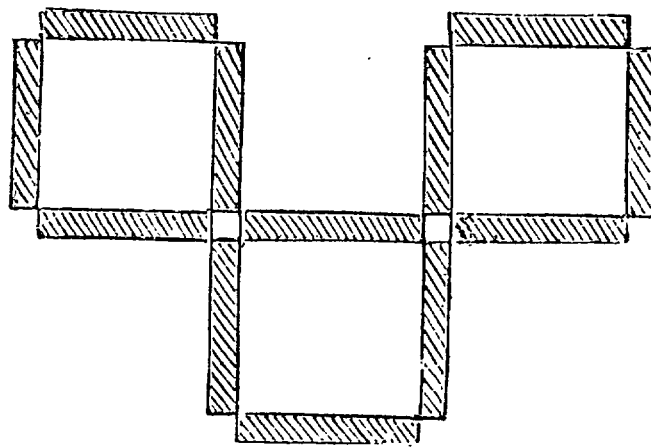


FIG. 1.

THIS may be either made of stiff paper or cardboard, and requires no particular skill in making it. Cut out twelve pieces all the same size and the shape



FIG. 2.

of fig. 2. The puzzle is, to put them together so as to form three complete squares. It is very easy when once understood, but anyone not seeing fig. 1 would have some difficulty in accomplishing it.

HEART, DART, AND KEY.

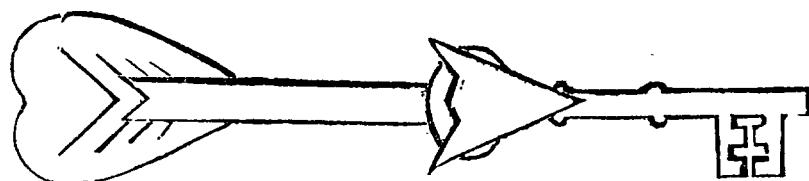


FIG. 1.

To make this, cut out of a piece of stiff paper the shape of a heart, with two or three ribs in it, fig. 2;



FIG. 2.

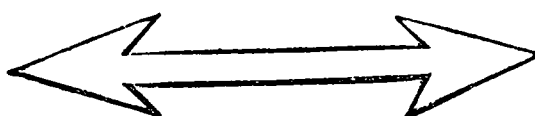


FIG. 3.

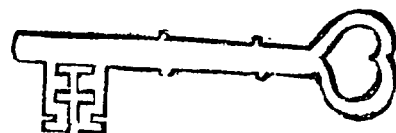


FIG. 4.

then an arrow with two heads, fig. 3, in the same kind of paper; an ordinary-shaped key must then be cut out of the same material, fig. 4—the handle of the key must be small in proportion to the arrow-heads, so as to make the puzzle look greater, and the same with the cuts in the heart. One end of the arrow-head is then inserted into one of the cuts in the heart, which may be done by carefully bending the ends a little, and the same must be done with the other end, by getting it into the hole in the handle of the key. The puzzle is, to put the three together without any crumpling of the paper, and to keep the whole as smooth as possible.

Out-door Sports and Pastimes.

ONE great object of this work has been to give an amusing variety of subjects for the profitable entertainment of young girls in their leisure hours ; but our work will not be complete without adding a few of those out-door recreations which are so essential to the preservation of health and the proper development of the human frame. Out-door exercises ought sedulously to be encouraged by all having the care and training of the young, as it will be found to give additional zest and relish to the more important duties in the school-room. There is nothing more delightful to witness than a group of young children at play, and we are anxious to assist them in their sport ; that they may be enabled to make things for themselves to play with, and, in making such little objects, they are learning something, and will thus have the gratification of adding to the amusement of their juvenile companions, whether it be in the playground, or, by the snug fire of a winter evening ; amidst the smiling faces of a happy family circle.

HAND BALL.

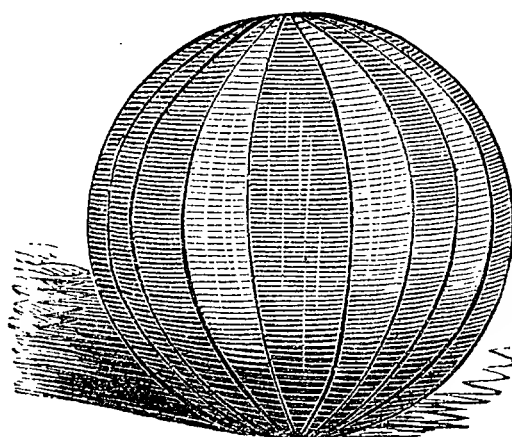
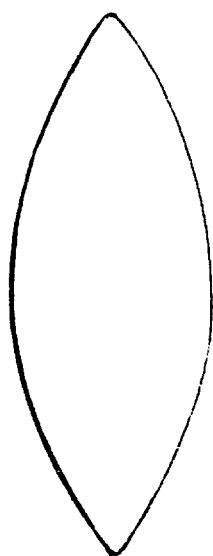


FIG. 1.

THE common hand-ball is a very nice toy to play with. The very act of throwing it from one person



to another affords much healthy exercise, if practised in the open air. Balls may very easily be made out of a few pieces of coloured leather or cloth. Cut out a number of pieces the shape of fig. 2 ; the sides of these must be firmly sewn together on the wrong side at first, nearly up to the top on each side, the various colours being alternated, as black, red, or yellow, according to taste. When this is done, turn it on the right side, and stuff it as full as possible with bran, then sew

FIG. 2.

up the remaining ends to the top, finishing each off strongly : this is done on the right side ; before finishing the last piece, fill the remainder and close it up ; finish off the seams by sewing down each a piece of gilt twist, bending it round to a neat circular ornament at the top. Other balls may be made in a similar manner, but the one above described is the best for girls.

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THE materials to play at this game are very easy to make, and it affords excellent amusement, and is extremely conducive to health. It is played by two parties standing at a convenient distance apart, and passing the rings from one to another ; the art is to keep them up as long as possible. The ring being placed across the two sticks, the player shoots it off by drawing her arms out in a horizontal position, which has the effect of gradually expanding the chest, and keeping the figure in an erect and graceful attitude. The opposite partner holds the two sticks together at the outside end, to receive the ring as it travels along, and then again, by the same action as already described, send it back again.

The sticks should be similar to draper's yard measures, and as round and smooth as possible. The hoops

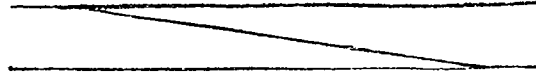


FIG. 1.

may be made of common cane, the ends of which must be joined together by first cutting them to the shape of fig. 1, and then binding it round with very



FIG. 2.



FIG. 3.

strong thread or small twine, fig. 2; they may then be finished off by twisting round the cane a strip of leather or red velvet, fig. 3.

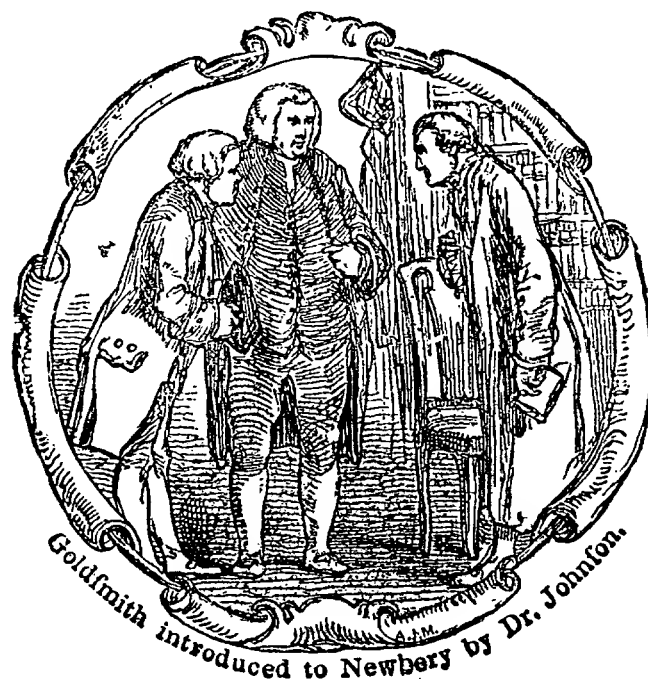
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